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Seed Annual *for* 1920

RUSSELL-HECKLE
SEED CO.
24 S. FRONT ST.
MEMPHIS, TENN.



RUSSELL-HECKLE'S GLOBE TOMATO



RUSSELL-HECKLE'S DAYBREAK SWEETCORN

RUSSELL-HECKLE SEED COMPANY'S 1920 SEED CATALOG

In offering our catalog for the coming season, we extend many thanks to the public for the past courtesies, with assurance we will spare no effort in furnishing superior quality and service. Knowing how is not an inspiration, it is gained by long experience. ¶ If we have never served you, send us your next order—it will have our personal attention. If you are already one of our patrons, you are aware of our keen interest in giving you good seed. We aim to supply the best stocks at the lowest prices consistent with the quality of the goods offered. We believe our service in this respect is not excelled by any house in the city. ¶ On this basis, we trust to have the pleasure of receiving an order from you. "Treat Them Right" is our motto.

Sales Store and Office, 24 S. Front St.
Wholesale Warehouse, 417 S. Main St.
Memphis, Tenn.

Very Respectfully Yours,
RUSSELL-HECKLE SEED CO.

OUR GUARANTEE

Notice Carefully the Prices.—Be sure to know whether we or you are to pay the freight or express, and bear in mind that **we do not pay** the express or freight charges on pecks or bushels, nor on any tools or plants, nor on potatoes, grass seeds, field seeds or fertilizers, except where we so state on the pages where the goods are priced.

The Prices We Quote on vegetables and flower seeds will hold good as long as stocks last. The prices on grass seed, grains and all farm seeds are those ruling January 1st, 1920, and are subject to market changes. As far as possible we will fill in full all orders for seeds that are quoted subject to variation in price, but if market values will not permit this, we will send all that money remitted will pay for.

Send Cash With Order.—This can be done either in the form of a Money Order, Bank Draft, Express Order, Registered Letter, or cash may be sent by express.

We Pay Postage on all seeds quoted by the packet, ounce, quarter pound and pound, also on pints and quarts of Peas, Beans and Sweet Corn, and on plants and bulbs,

except where noted otherwise, and upon all goods quoted in our catalog where it says: Parcel post paid.

Seeds by Freight and Express.—"Quotations by express" means that the price quoted is packed f. o. b. Memphis, purchaser paying carrying charges either by express or freight.

We won't ship you seed until we know they will germinate. Of course, we cannot guarantee you a crop, for we cannot be there to plant them or attend to them; and weather conditions sometimes positively prevent a stand. But you can take our seed home, examine them, test them, and call in your neighbor or county agent, and if you feel that you have not gotten your money's worth, or our seeds are not as represented return them at once and we will refund the amount you paid for them.

That's fair, now, isn't it? We leave it all to your judgment, and all we ask is a fair deal, which we know you will give us. "Treat 'em right," is our motto.

HARGROVE'S LITTLE BONANZA BEANS

At last we have a strictly Southern Novelty, in the way of a bean, Hargrove's Little Bonanza is truly a wonder. The grower writes, that he picked this year, 240 matured

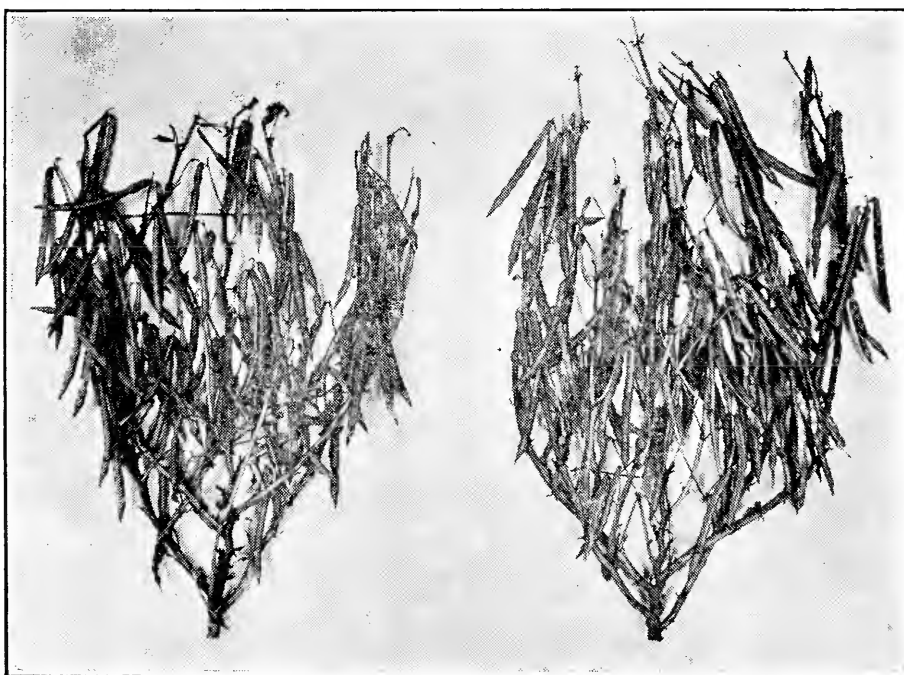
Pods from one stalk, grown without fertilizer and in a rather unfavorable season, as you all know how dry it was last summer. This particular stalk was only 24 inches high, was planted late and had scarcely any rain, none at all after they began to bloom.

The Beans should be planted early in Spring, as soon as all danger of frost is over, about April 15th, here or earlier further south. Plant in rows three feet apart and thin to one stalk 14 inches apart. Cultivate as you would any other garden Bush Bean. It is a great drouth resister, not an early bean, but will bloom and bear until frost. It can be used as a salad bean, or cooked like regular snapshorts. They are also better than English Peas, when shelled green and have no equal for winter use dried.

Hargrove's Little Bonanza Bean will stand dry weather, therefore superior to any bean we know of, all other varieties make one crop and then stop bearing, while Hargrove's Little Bonanza Bean continues to bear all the season, until killed by frost.

The quality of this Bean is all that could be desired. They are tender and of excellent quality, and look at the illustration. Did you ever see anything to equal it? We have several stalks on exhibition that are simply a mass of pods and beans, which resemble field peas, but this is strictly a bean, different from anything you ever saw. Do not fail to plant this splendid novelty. Order early—our stock is limited this season.

Sold in packets only, price, packet, 25c; 5 packets, \$1.00, parcel post paid.



HARGROVE'S LITTLE BONANZA BEANS.

1920 A BANNER COTTON YEAR

IN OUR opinion 1920 will see higher prices on cotton than ever before. We believe a fifteen million bale crop will not reduce prices below 1919, and this opinion has been expressed by men of international prominence in the cotton industry.

THERE WILL BE A DEMAND FOR LONG STAPLE COTTON.

New uses for long staple have been found in last few years, almost guaranteeing a good premium in price for some time to come, for pure grades of long staple. However, due to continued spread of Boll Weevil, it won't be safe to rely on long staple, later maturing varieties entirely, and there will be a good demand for shorter varieties of pure, tough fiber strains, and with some of these planted, the Boll Weevil need hold no terrors for you.

WHETHER YOU PLANT LONG OR SHORT COTTON.

The important thing this year, and we can't impress this too strongly on our customers, is to use the utmost care in selecting the seed you plant. Almost all of the locally raised seed, Mississippi, Arkansas, etc., is unfit for planting, being damaged by continued rains last fall. Much of that which is sound, has "run out" or nearly so, due to mixture at the gins, etc., and will give you a mixed staple and a poor yield.

PLANT ONLY PEDIGREED SEED.

Of varieties that have been bred up from year to year, you cannot be expected to keep up with all of this, but we do, and that is where we are of value to our customers. The varieties we list are standard, and can be relied upon to give results. This year our investigations have covered the whole cotton growing belt, and we have gathered together in Memphis the very highest type, purest strains and soundest stock of cotton seed for planting that can be obtained at any price. We have Webber 49 and others from the justly celebrated pedigreed Seed Farms originators and breeders of highest type long staple varieties, and Wannamaker Cleveland seed from the famous Model Seed Farms, the originators, and we have the pick of all other growers in the country, including the much advertised Heavy Fruiter cotton you have read so much about. All these are described on pages 42 and 43 of this catalog.

ONE LAST IMPORTANT WORD.

Don't jeopardize your crop this year of all years by planting indifferent seed; prices are sure to be good, so make the most of your work by planting purest strains of heavy yielding varieties, so you can make a big crop on a few acres—and devote the spare acreage to growing food and feed for your family and your stock, for no matter how high the price of cotton, if you have to buy all your food and feed you won't have much profit left on the year's work.

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FROST-PROOF CABBAGE PLANTS

WILL MATURE HEADS TWO TO THREE WEEKS EARLIER THAN YOUR HOME-GROWN PLANTS

Orders filled from January 1 until April 1. We do not advise planting later than this time.

These plants are grown in the open field during the fall and winter months, which causes them to make a slow, tough, hardy growth—so hardy that the outer leaves turn to reddish brown. They can be shipped to distant points without danger of spoiling, and should be planted in the open ground from four to five weeks earlier than frame plants.

They will stand a temperature of 10 to 15 degrees above zero without injury. Will do very much better planted early, as they will take root and start to grow as soon as warm weather sets in.

The plants when received will be somewhat wilted and have a hard stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of appearance, they will produce the crop results.

Varieties: Early Jersey Wakefield, Charleston Large Wakefield, Succession and Early Flat Dutch.

Prices when shipped from Growing Station in South Carolina.

Prepaid by parcel post—100, 40c; 500, \$1.60; 1,000, \$2.85. Not prepaid by express—500, \$1.25; 1,000, \$2.00; 5,000, \$8.75; 10,000, \$15.00.

Prices when shipped from Memphis.

Prepaid by parcel post—100, 45c; 500, \$2.00; 1,000, \$3.25. Not prepaid by express—500, \$1.50; 1,000, \$2.75; 5,000, \$12.50.

We usually have plants ready to ship promptly, but occasionally, on account of heavy orders, we may be compelled to hold your order a few days, but rest assured however, we will get them to you as quick as possible.

No order filled for less than 100 of a variety. We do not ship any plants C. O. D. Our terms are cash with order.

Deliveries of all plants will be made subject to crop failures and other causes beyond our control.



Early Jersey Wakefield Cabbage grown from Frost-Proof Plants

VEGETABLE PLANTS

Plants can rarely be shipped the day order is received, as we have to get them in from the gardens. We never ship plants the last of the week unless especially requested to do so, as they would probably lay over in the express office through Sunday. Do not order plants shipped by freight, and do not order them sent by mail if it can be avoided. Express is much quicker, safer and more satisfactory. **Plants sent by mail are at purchaser's risk.** No charge for packing. Should we be sold out of the varieties ordered, we will send a similar variety instead.

BEET PLANTS

Ready about March 1st.

Varieties: Crosby's Egyptian and Eclipse Blood Turnip.

Price by express—50, 20c; 100, 35c; 500, \$1.50.

Price by parcel post—50, 35c; 100, 50c; 500, \$2.00.

HOME GROWN HOTBED CABBAGE PLANTS

These are ready about the first part of March; they should not be set out any earlier, being tender they are not as hardy as the frost-proof kind.

Prices as follows: By express—100, 40c; 500, \$1.75; 1,000, \$3.00. By parcel post—100, 50c; 500, \$2.00; 1,000, \$3.50; 5,000, \$14.00; 10,000, \$25.00.

We can furnish the following varieties:

Early Jersey Wakefield, Early Flat Dutch,
Charleston Wakefield, Succession.

CAULIFLOWER PLANTS

Ready about March 1st.

Prices as follows: Doz., 20c; 50, 60c; 100, \$1.00; 500, \$4.50. By parcel post—Doz., 30c; 50, 80c; 100, \$1.25; 500, \$5.00.

CELERY PLANTS

Ready about April 15th. Not less than 50 plants sold.

Prices as follows: 50, 30c; 100, 50c; 500, \$2.00. By parcel post—50, 45c; 100, 75c; 500, \$2.50.

Varieties as follows: White Plume, Golden Self-Blanching.

EGG PLANTS

These are ready about the middle of April.

Prices as follows: By express—Doz., 25c; 100, \$1.25; 500, \$4.50. By parcel post—Doz., 35c; 100, \$1.50.

Varieties as follows: Black Beauty, New York Purple.

LETTUCE PLANTS

Ready about March 1st.

Prices as follows: 50, 20c; 100, 35c; 500, \$1.50; 1,000, \$3.00. By parcel post—50, 30c; 100, 50c; 500, \$2.00.

Varieties as follows: Big Boston, Heckle's Bonanza.

PEPPER PLANTS

Ready about April 20th.

Prices as follows: Doz., 25c; 100, \$1.25; 500, \$4.50. By parcel post—Doz., 35c; 100, \$1.50.

Varieties: Chinese Giant, Bell or Bull Nose, Pimento, Cayenne.

SWEET POTATO PLANTS

Put up in bunches of 100 each. The various varieties are ready any time after April 15th.

Prices as follows: By express—100, 40c; 500, \$2.00; 1,000, \$4.00; 5,000, \$15.00. By parcel post—100, 60c; 500, \$2.25; 1,000, \$4.35; 5,000, \$16.50.

Can furnish varieties as follows: Nancy Hall, Florida Yam, Gold Coin Yam, Dooley Yam, Bunch Yam, Early Triumph, Yellow Yam, Porto Rico Yam.

TOMATO PLANTS

These are ready about the 20th of March. Our stock is raised from the very best quality of seed and will give perfect satisfaction.

Varieties: Early Acme, Beefsteak, Penderosa, Early Detroit, Dwarf Giant, Stone.

Prices as follows: Hot-bed plants, by express—Doz., 15c; 100, 50c; 500, \$2.25; 1,000, \$4.25. By parcel post—Doz., 20c; 100, 60c; 500, \$2.50; 1,000, \$4.60.

Transplanted plants: By express—Doz., 25c; 100, \$1.00; 500, \$4.00; 1,000, \$7.50. By parcel post—Doz., 35c; 100, \$1.25; 500, \$4.50.

RUSSELL-HECKLE SEED CO.'S GARDEN SEEDS AT REASONABLE PRICES

Our seeds are the BEST that can be obtained anywhere. No matter what others may ask for their seeds, better quality cannot be obtained anywhere, as our fast increasing trade will testify.

TREAT 'EM RIGHT

Our Special Discount.

On all cash orders for garden and flower seeds only, at our catalog prices, we will allow the following special discounts:

For \$1.00—Select seed in packets, 1 oz., ¼ lb., ½ pt., 1 pt., to the value of \$1.15.

For \$2.00—Select seed in packets, 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt., to the value of \$2.40.

For \$3.00—Select seed in packets, 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt., to the value of \$3.60.

These special discounts apply only to garden and flower seeds in the size packets as stated. They do not apply to any Plants, Fruit Trees, Farm Seeds, Onion Sets, Fertilizers or Poultry Supplies. Our prices are reasonable, our discounts liberal, our seeds the best. Send us your orders. We will treat you right.

ASPARAGUS

One ounce will sow about 50 feet of drill.

Sow in spring as soon as the soil is in good working condition. Cultivate during summer, and give the plants a light covering of stable litter during winter. At one or two years, transplant to permanent beds.

Palmetto Very early, large and pale green, purple tipped; bleaches elegantly. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 70c; parcel post paid.

Barr's Mammoth Large and fine, white tipped. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

ASPARAGUS ROOTS

Set roots or plants either in spring or fall, directions for making beds supplied with orders.

Palmetto Price, two-year old roots: By parcel post—Dcz., 40c; 50, \$1.00; 100, \$1.75. By express—50, 75c; 100, \$1.50; 1,000, \$12.50.

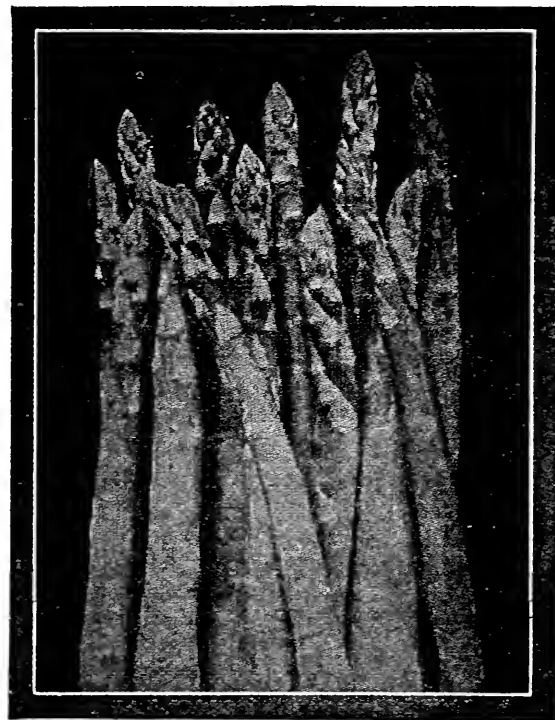
ARTICHOKES

One ounce will produce 500 plants.

Sow seed in drills 8 or 10 inches apart; when the plants are well up transplant in rows 4 feet apart and 2 feet apart in the rows. Cover with straw during winter.

Green Globe French Fine large heads. Pkt., 10c; oz., 75c; parcel post paid.

Artichoke Jerusalem Excellent for fattening hogs; plant in rows 4 feet wide, any time in March and April, dropping the tubers 18 inches apart in the row; immensely productive; 3 bushels will plant an acre. By parcel post—Qt., 35c; 4 qts., \$1.00. By freight or express—4 qts., 75c; peck, \$1.25; bushel, \$4.00.



Palmetto Asparagus

DWARF, BUSH OR SNAP BEANS

WAX POD OR YELLOW POD VARIETIES

Culture These can be planted with safety any time from April 1st to September 1st. Sow 3 inches apart in rows, and have the rows 2½ or 3 feet apart. One quart will sow 200 feet of row.

Burpee's Kidney Wax An extra early, hardy variety of fine quality; long, round, meaty pods of rich golden yellow. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.00; parcel post paid. Not prepaid by freight—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.85.

Currie's Rust-Proof Wax The best flat wax pod sort. Early, prolific, strictly rust-proof. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c; 4 qts., \$1.90; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 45c; 4 qts., \$1.75.

Davis Kidney Wax A first early rust-proof variety, very productive, with the most handsome pods of all wax sorts. A valuable bean for the market gardener. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.00; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.85.

Golden Wax Improved strain of the well known Golden Wax, which it has greatly outyielded. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.90; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.75.

Golden-Eyed Wax An extra early, hardy variety of fine quality; long, round, meaty pods of rich golden yellow. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.10; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.90.

Prolific Black Wax A popular variety of unusual good merit; color of pod waxy yellow; tender, productive. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.90; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.75.

Round Pod Kidney Wax An excellent early, round podded, stringless variety of high quality. The pods are from 5 to 6 inches long and of light yellow wax-like color. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.10; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.90.

Wardwell's Kidney Wax A very popular, early gardeners' variety. Pods large, 5 to 6 inches long, moderately stout, straight and flat, fleshy, brittle, fine-grained and nearly stringless, and of good quality. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.15; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$2.00.

Webber Wax A high quality, flat podded, stringless variety of the season of Wardwell's Wax. Pods 6 to 6½ inches, broad, and uniformly curved, fleshy, stringless, and brittle. More vigorous and productive than Wardwell's. Pods bright yellow color. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 70c; 4 qts., \$2.40; parcel post paid. Not prepaid—½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.25.

Prices on Bush Beans by the peck and bushel are quoted on Special Green Ink Price Sheet enclosed.

BROCCOLI

A vegetable similar to cauliflower, of less delicate flavor but more hardy. It is cultivated extensively, as it does better than cauliflower, being hardier. Pkt., 10c; oz., 75c; 2 ozs., \$1.25; parcel post paid.

BRUSSELS SPROUTS

A specie of the cabbage family, especially desirable for planting during the summer and fall. The "sprouts" are miniature cabbages, growing closely on the stalks of the plant, a small head being formed at each leaf joint. The best time to sow the seed is July and August. When the plants are from four to six inches high transplant to the open ground like cabbage. Pkt., 10c; oz., 50c; 2 ozs., 75c; ¼ lb., \$1.25; parcel post paid.

Special Rates on Packet Garden and Flower Seeds

Select any six 5c size for.....	\$.25
Select any thirteen 5c size for.....	.50
Select any thirty 5c size for.....	1.00
Select any three 10c size for.....	.25
Select any seven 10c size for.....	.50
Select any fifteen 10c size for.....	1.00

We pay parcel post at above rates, but allow no further discounts.

BEANS

DWARF, BUSH OR SNAP GREEN PODDED VARIETIES

Culture These can be planted with safety any time from April 1st to September 1st. Sow 3 inches apart in rows, and have the rows 2½ or 3 feet apart. One quart will sow 200 feet of row.

Black Valentine A new Bean. very early, round pod, light green color. May be planted quite early, as the seed stands cold weather well. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 60c; 4 qts., \$1.90; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.75.

Bountiful Flat pod, extra early, great yielder, almost stringless. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 70c; 4 qts., \$2.40; parcel post paid. Not prepaid—½ pt., 20c; pt., 30c; qt., 60c; 4 qts., \$2.25.

Burpee's Stringless Green Pod This is a stringless bean, and this quality alone puts it ahead of most table beans. It is also extra early and of splendid table qualities. One of the best sorts for home use. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 60c; 4 qts., \$1.75; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qt., \$1.60.

Dwarf Horticultural This is without doubt one of the best dwarf varieties to use as a green-shelled bean. Beans are large, oval, and covered with splashes of pink, when in proper condition for shelling green; are easily shelled and in quality rival the Lima. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c; 4 qts., \$1.75; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 45c; 4 qts., \$1.60.

Full Measure This magnificent round-podded bush bean bears long, round green pods, always solid, stringless and exceedingly prolific. The pods are of an attractive green color, 5 inches long, firm and tender. Pkt., 10c; ½ pt., 25c; pt., 35c; qt., 65c; 4 qts., \$2.15; parcel post paid. Not prepaid—½ pt., 20c; pt., 30c; qt., 55c; 4 qts., \$2.00.

Giant Stringless Green Pod A selection from the original stringless, not quite as early, but fully a third larger than its parent. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.90; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.75.

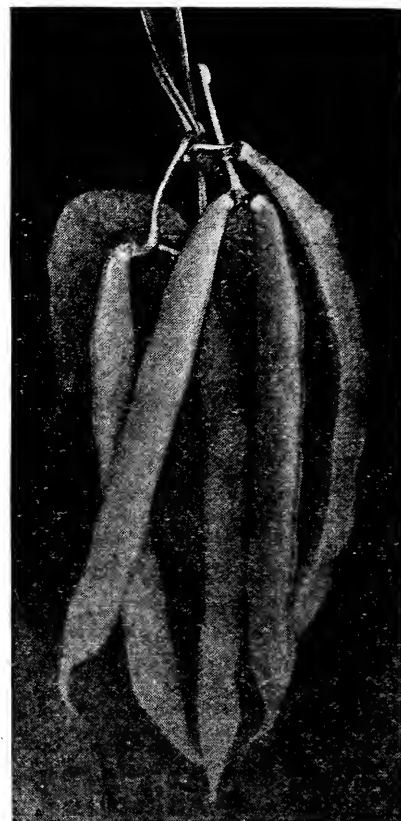
Improved Red Valentine This is the most popular bean grown. The pods are round, thick and fleshy, of good quality and flavor. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.80; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.65.

Longfellow A prolific variety, round pods of handsome appearance; early and hardy. Pkt., 10c; ½ pt., 25c; pt., 35c; qt., 65c; 4 qts., \$2.15; parcel post paid. Not prepaid—½ pt., 20c; pt., 30c; qt., 55c; 4 qts., \$2.00.

Mohawk Six Weeks Produces good size flat pods, very early. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c; 4 qts., \$1.65; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 45c; 4 qts., \$1.50.

Refugee or 1000 to 1 A producer of remarkably large crops. Compared with Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.90; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.75.

Tennessee Green Pod A very hardy and healthy bean of recent introduction, is a good yielder. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.00; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.85.



Burpee's Stringless Green Pod Beans

FIELD BEANS

Red Kidney A valuable sort for field culture; productive, hardy, and for a dry bean is unsurpassed for its cooking qualities. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c; 4 qts., \$1.75; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 45c; 4 qts., \$1.60.

Pinto Beans This is the popular bean with the Mexicans, and now is grown extensively throughout Colorado, New Mexico and Arizona. The yield is tremendous. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c; 4 qts., \$1.65; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 45c; 4 qts., \$1.50.

Tepary A white shell bean, more prolific than the Navy. Matures quickly, sixty-five days from seeding to harvest. Combines superior flavor with productiveness. Is not subject to common bean disease, and can be used when other beans fail. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c; 4 qts., \$1.65; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 45c; 4 qts., \$1.50.

White Navy For field culture. Grows about a foot and a half high, of a branching habit, very productive. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; 4 qts., \$1.65; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 40c; 4 qts., \$1.50.

Western White Wonder Field Bean Earliest, hardiest, most productive and most profitable field bean in America. It averages 40 bushels per acre. It ripens early, and in a wet season remains sound and healthy where other varieties rust and spot. The ripened seed is pearly white. Pkt., 10c; ½ pt., 25c; pt., 35c; qt., 65c; 4 qts., \$1.90; parcel post paid. Not prepaid—½ pt., 20c; pt., 30c; qt., 55c; 4 qts., \$1.75.

BUSH LIMA BEANS

One quart will plant 200 feet of drill.

Plant in May in light rich soil, in drills two feet apart, dropping the seeds about one foot apart in the row, and cover two inches.

Fordhook Bush Lima An immense yielder, with handsome large pods, well filled with large beans. Pkt., 10c; ½ pt., 25c; pt., 35c; qt., 60c; 4 qts., \$2.15; parcel post paid. Not prepaid—½ pt., 20c; pt., 30c; qt., 50c; 4 qts., \$2.00.

Henderson's Bush Lima Beans are small but very productive, bearing continuously throughout the summer. Pkt., 10c; ½ pt., 25c; pt., 35c; qt., 60c; 4 qts., \$2.15; parcel post paid. Not prepaid—½ pt., 20c; pt., 30c; qt., 50c; 4 qts., \$2.00.

Prices on Bush Lima and Green Pod Bush Beans by the peck and bushel are quoted on Special Green Ink Price Sheet enclosed.

Pole or Running Beans Plant in May and June, in rows 4 feet each way; 5 in a hill. Can be planted in corn or by poles, 8 feet high. One quart will plant about 200 hills.

Burger's Stringless Green Pod This is truly a grand pole bean for home gardens, and in this respect excels anything I know of. The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. When allowed to ripen the shell beans of pure white are most excellent for winter use. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 70c; 4 qts., \$2.40; parcel post paid. Not prepaid—½ pt., 20c; pt., 30c; qt., 60c; 4 qts., \$2.25.



Henderson's Bush Lima Beans

Golden Cluster Wax Pole The pods usually 7 inches or more in length, are meaty, entirely stringless. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 75c; 4 qts., \$2.60; parcel post paid. Not prepaid—½ pt., 20c; pt., 35c; qt., 65c; 4 qts., \$2.50.

Horticultural CRANBERRY OR WREN'S EGG. A popular old variety for either snapshoots or dry shall-beans, especially adapted for short seasons and cool locations. Prices same as Kentucky Wonder.

Kentucky Wonder, or Old Homestead It is almost needless to say anything about this great pole bean, for who has not grown it? Popular everywhere in the South for years because of its wonderful all-summer production of splendid beans. The yield is great, the quality is good, and no bean is more sure of making a crop. It bears in 65 days from planting; should be kept picked so that it will continue bearing until frost. The beans are 6 to 12 inches long, tender and rich. It should be planted in every garden, and be sure to get the genuine Kentucky Wonder and not any of the tough substitutes. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.15; parcel post paid. Not prepaid—½ pt., 15c; pt., 30c; qt., 50c; 4 qts., \$2.00.

Kentucky Wonder Wax The pods are long, very thick, meaty, deeply saddle-backed, entirely stringless and bright yellow in color. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 75c; 4 qts., \$2.60; parcel post paid. Not prepaid—½ pt., 20c; pt., 35c; qt., 65c; 4 qts., \$2.50.

Lazy Wife's A popular white-seeded, heavy-bearing pole bean. Pods are stringless and of a high flavor. Beans are large, round, white and make splendid shell beans for winter use. Pkt., 10c; ½ pt., 25c; pt., 45c; qt., 85c; 4 qts., \$2.75; parcel post paid. Not prepaid—½ pt., 20c; pt., 40c; qt., 75c; 4 qts., \$2.60.

Missouri Wonder A superb new variety, pods nearly round, very tender, dark green, and are almost stringless. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 65c; 4 qts., \$2.15; parcel post paid. Not prepaid—½ pt., 15c; pt., 30c; qt., 55c; 4 qts., \$2.00.

McCasland Pole Bean This is a white prolific pole bean of the finest quality. It originated in Georgia and because of its many splendid qualities, is said to be superior to the famous Kentucky Wonder. There is a great demand for this bean. Pods are large, deep green and stringless. Filled completely and are of the very finest quality. Plant it and work it right, give it good rich earth and keep the beans picked—it will give you more beans than you can use until frost and you can save a large quantity dry for winter use. It is also good to can green. This is certainly a bean you should plant. Pkt., 15c; ½ pt., 30c; pt., 50c; qt., \$1.00; parcel post paid. Not prepaid—½ pt., 25c; pt., 45c; qt., 90c.

Red Speckled Cut Short A very good pole or cornhill bean; quite a favorite in some sections. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 75c; 4 qts., \$2.35; parcel post paid. Not prepaid—½ pt., 20c; pt., 35c; qt., 65c; 4 qts., \$2.20.

Scotia or Striped Cornfield This is the real, unadulterated Cornfield Bean that you have read so much about. If you want a bean to plant in your corn, this is your one choice. It will produce the kind of results that you'll expect. It is green-podded, producing beans about 6 inches long, round and well-filled, Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 75c; 4 qts., \$2.65; parcel post paid. Not prepaid—½ pt., 20c; pt., 35c; qt., 65c; 4 qts., \$2.50.

Southern White Creaseback

Good old-time reliable Pole Bean; plump, stringless "snap" and always a good shell bean. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.15; parcel post paid. Not prepaid—½ pt., 15c; pt., 30c; qt., 50c; 4 qts., \$2.00.

St. Louis Perfection Similar to the Old Homestead, but is earlier and covers a longer season of productiveness and a decided improvement on its parent, being white-seeded makes it also a splendid white shell bean. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.00; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.85.

Yard Long or Cuban Asparagus Bean

The best and most popular of the pole varieties and should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. The pods are grown 4 to 5 feet long, very tender and fleshy. Sow in March to May. Pkt., 10c; ½ pt., 30c; parcel post paid.

Prices on all Pole or Running Beans and Pole Lima Beans by the peck and bushel are quoted on Special Green Ink Price Sheet enclosed.

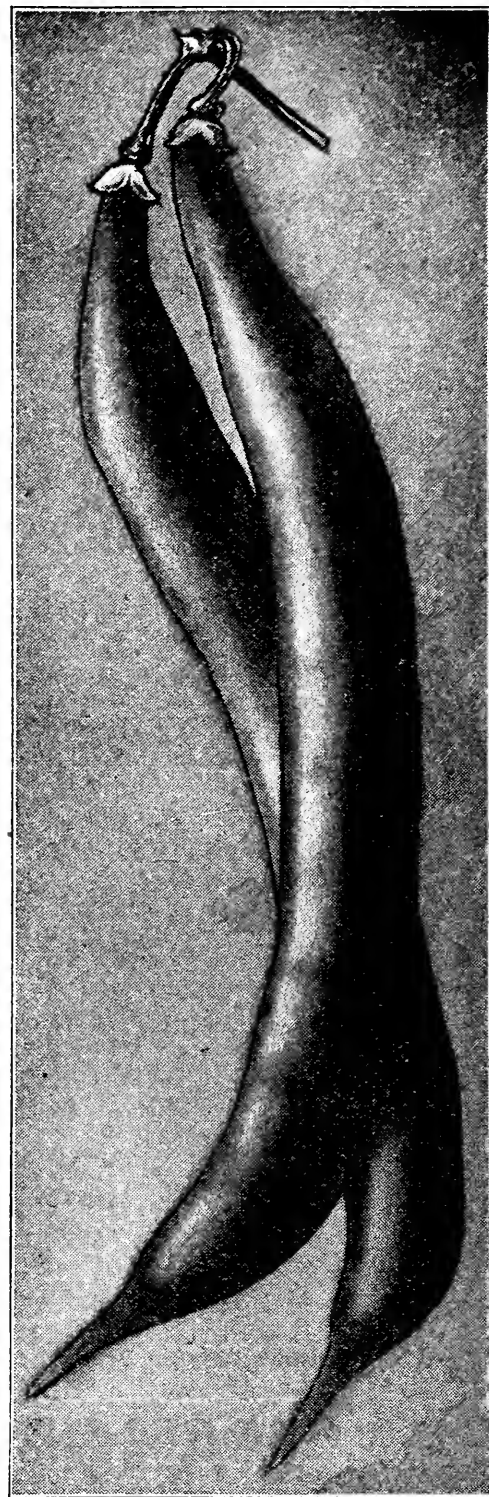
POLE LIMA BEANS

Plant in hills three to four feet apart each way, and two inches deep, allowing six seeds to each hill. When the plants are well established they should be thinned out to four. They are more sensitive to cold than the Bush Beans, and should not be planted before May.

Carolina, Sieva, or Sewee (The "Butter Bean" of the South.) These grow quickly, mature early, are immensely productive, and continue in bearing throughout the season. The vines are slender, with rather small, shiny, dark-green leaves. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 75c; 4 qts., \$2.65; parcel post paid. Not prepaid—½ pt., 20c; pt., 35c; qt., 65c; 4 qts., \$2.50.

Large White Lima One of the best shell beans grown; matures in ninety days; very popular. Our seeds of this variety are extra selected, large and fine. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.15; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$2.00.

Speckled or Calico Butter Beans A mottled or speckled butter bean, that is sure enough productive; no variety can equal them in bearing, and we know that you will like them. Pkt., 15c; ½ pt., 30c; pt., 45c; qt., 85c; 4 qts., \$3.00; parcel post paid. Not prepaid—½ pt., 25c; pt., 40c; qt., 75c; 4 qts., \$2.85.



Scotia or Striped Cornfield Beans



Kentucky Wonder Beans

BEETS

For very early crop sow in hotbeds in January and February and transplant. Sow outside in drills from March to July, as desired, for medium early or late crop. Drills 2 to 3 feet apart. Use a light, clean, free deep soil. One ounce will sow 50 feet of drill.

Bassano, or Extra Early Turnip Flesh white and rose; very sweet and tender. Pkt., 5c; oz., 15c; ½ lb., 35c; 1 lb., \$1.25; parcel post paid.

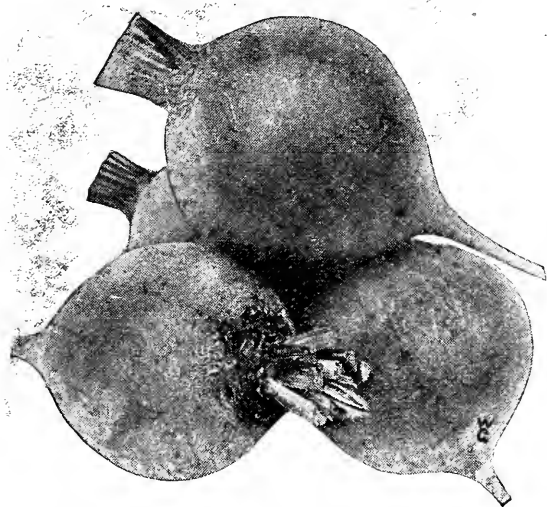
Burpee's Extra Early Its qualities are extra early, dark red color, fineness of shape and small top. One of the most attractive varieties grown. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Crimson Globe This is a splendid sort; is extensively planted for second early and main crop purposes; is medium size, about 10 inches around, globe shape, uniform, without rootlets and perfectly smooth. Foliage is small, rich, purple-bronze color. Flesh is rich blood red, sweet, tender and never stringy. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

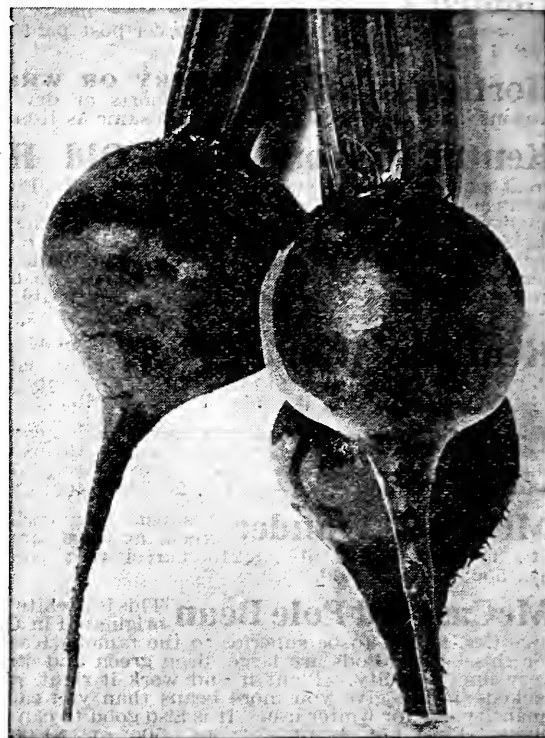
Crosby's Egyptian This very desirable table beet does not closely resemble the original Egyptian except in its extreme earliness. The tops are small. The roots are flattened globe shaped and very smooth. The exterior color of the root is bright red. The flesh of our strain is bright, vermilion-red, zoned with a lighter shade, very sweet, tender and of excellent quality. This is one of the best for early planting outdoors and is much used for bunching. It becomes fit for use earlier than any other variety. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25. Parcel post paid.

Detroit Dark Red Turnip Beet This is one of the finest formed and handsomest-colored beets on the market. It is unsurpassed in the uniformity and beauty of the crop. It is exceedingly early, and produces more marketable specimens on the same acreage than any other variety. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.10; parcel post paid.

Early Eclipse An early beet especially desirable for the home garden and used for bunching. The tops are small. The roots are bright deep red, smooth, round or slightly top shaped, with a small tap and small collar. The flesh is bright red, zoned with pinkish white, very sweet, crisp and tender, especially when young. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.



Crosby's Egyptian Beet



Early Eclipse Beets

Early Blood Turnip This is a turnip beet, and is the old standard among the early varieties. It is of dark red color and is perhaps the most popular of all beets. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

Edmand's Blood Turnip The most uniform of all Turnip Beets. It is of handsome round shape, good marketable size and deep blood color. It has a small top, and may be planted close. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

Long Smooth Blood The old standard variety for table and cattle. Is the best drouth resister of all; color deep red; flesh very sweet. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.15; parcel post paid.

Swiss Chard or Silver Beet Grown for its leaves and stems only. Cook the leaves as you do spinach and the stems like asparagus. Leaves grow from 20 inches to 2 feet in length. The plant is almost perpetual if kept trimmed; also good for poultry greens. Try it in your garden this year. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

Swiss Chard (Fdanso) Has larger and more crumpled leaves than the ordinary type, otherwise it is similar. Sow in drill and thin to stand 12 inches apart in the row. Price, large pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

More beets should be eaten, more should be grown at home. It is an easy crop to grow and beets are a healthy food. In the process of digestion the body gets from beets and other root crops a large percentage of vegetable salts and sugar, which is necessary for our best health. Beets and other root crops are health producers.

Plant more beets and eat more—they are a cheap food, too.

For prices on Beet Plants, see page 2.

MANGELS AND SUGAR BEETS

Farmers and stock raisers of the United States do not appreciate so fully the value of mangels for feeding cattle, hogs, sheep, etc., as do the farmers of Europe. In Germany, Great Britain and other European countries it is the exception rather than the rule where mangels are not grown on a large scale on every farm. The immense yield that may be secured from an acre, with very little expense either for material or labor, makes the mangel crop one of the most profitable on the market. Fifteen to twenty tons of root an acre is not an unusual yield, some specimens weighing 20 to 30 lbs. each. When fed in combination with grain they are worth almost as much, pound for pound, as the grain. This statement may seem absurd, but experience has proved that mangels so aid digestion and assimilation by keeping the animals in a healthy condition, that they increase the feeding value of other feeds consumed, beside the nutrients the roots contain.

SOW 4 POUNDS TO THE ACRE.

Stock Beets grow larger than any other Beets, and hence require more room. They should be sown from April to June in drills 2½ feet apart, and the plants thinned to 12 to 15 inches in the row.

Golden Tankard Mangel The best type of Mangel, small top, smooth, rich skin, broad shoulders, very solid fleshed, golden stemmed, heavy producer. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

Long Red Mangel Wurzel The well-known, large, long variety, grows well out of ground. Color light red. Very productive. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

Giant Feeding Sugar Beet A large growing sort, and used for feeding stock; a cross between the mangel and sugar beet. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

Klein Wanzleben Sugar Beet More extensively grown than any other variety for making sugar; the average yield is from 15 to 20 tons per acre with about 18 per cent of sugar. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

Lane's Imperial Sugar One of the most popular varieties for stock, and one which will succeed well throughout this latitude for farther South. Grows to a large size, is more like Mangel Wurzel in character, but the flesh is sweeter and tenderer; in fact, sometimes used for table. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

CABBAGE

OUR CABBAGE SEED is all American grown, the very best Long Island stock, which matures earlier than the imported or Puget Sound seed.

Sow in January, February and March for spring setting; in April to June for late crop. Sow in September for transplanting in November for very early spring crop. Transplant to good, rich, clean soil, in 3 to 4 foot rows, 18 to 16 inches between plants, according to variety.

How to Destroy Cabbage Worms Slug Shot can be used lightly or heavily, and the Cabbage suffers no harm. The Cabbage forms its head by interior growth; it throws off its earlier and outside leaves, and no dust can enfold within its head. Apply Slug Shot with a duster, sifting it over the plants or full-grown Cabbages. The powder is very fine and goes a long way in field and garden.

All Head Early Without doubt this cabbage is uncalled as an Early Flat or Summer variety. It makes very uniform, large, deep, flat heads and is a very sure header. Withstands heat and dry weather very well. The grain of this variety is very fine. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.00; parcel post paid.

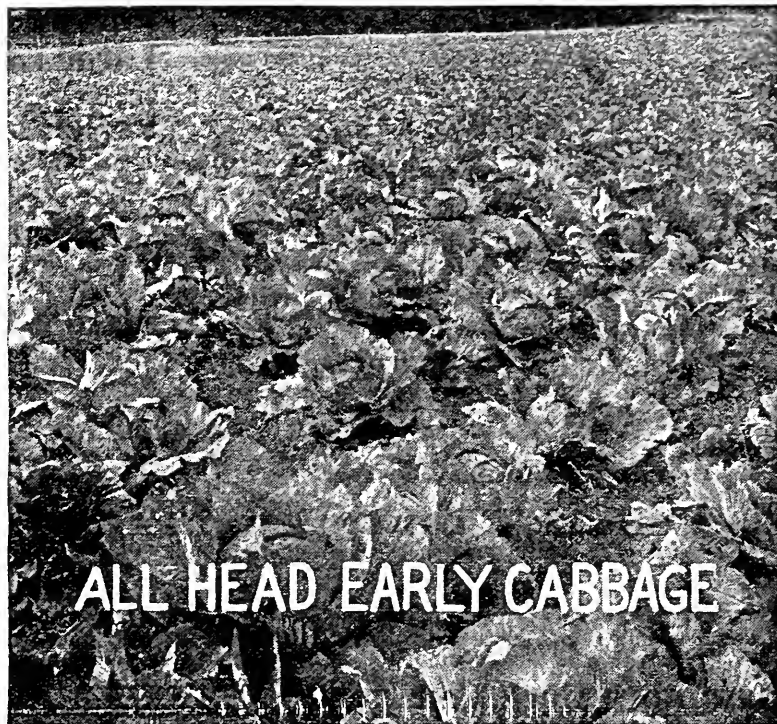
All Seasons A very fine summer cabbage. The heads are at least a third larger than All Head, but if planted early will mature within a few days of the All Head. It is also an excellent variety to plant for fall use. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.25; parcel post paid.

Copenhagen Market This is very heavy and solid, like the "Ballhead" type of Cabbage; makes a fine, large, globe-shaped head with well-developed outside leaves, but is very much earlier in maturing than any of the Danish Cabbages. It is short-stemmed, the head being produced almost on the ground. The leaves are tightly folded around each other which permits close setting of plants. The heads mature all at the same time. Pkt., 5c; oz., 60c; ¼ lb., \$1.50; 1 lb., \$4.50; parcel post paid.

Charleston Wakefield Exceedingly hardy. Very large, sure-heading sort. Head is very solid, pointed, but broad at the base. The leaves are large and slightly wavy. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.00; parcel post paid.

Danish Ball Head The heads are of medium size, solid and deep, averaging in weight nearly eight pounds. Matures medium early. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Early Drum Head One of the best second early varieties; large, deep heads; solid, uniform in color, size and shape. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.



Early Flat Dutch Medium early; large flat, solid heads; a reliable and popular variety. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00; parcel post paid.

Early Spring About four days to a week later than Charleston Wakefield. Of fair size and solidity for so early a flat-head sort, and especially suitable to light or well-drained soils, as it heads quite close to the ground. Pkt., 5c; oz., 45c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Early Summer Solid round head; comes in just after Wakefield. Pkt., 5c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.

Early Winnigstadt This is one of our most popular varieties, especially among the German gardeners. There is no early sort which heads with greater certainty, or more solid; the heads are of good size, cone form, broad at the base, with twisted top, and succeeds the Large York. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.25; parcel post paid.

Early Jersey Wakefield A favorite early variety for both market gardeners and general use. Head is very compact, medium size, pointed in shape. The standby for the main crop of the extra early sorts. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Drumhead Savoy The best and largest heading of the Savoy Cabbage. Few people seem to know the delicious flavor of Savoy Cabbage. It is far superior to the flat-leaved sorts, and as tender as cauliflower after frost. Should be in every private garden. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.25; parcel post paid.

FROST-PROOF CABBAGE PLANTS

Varieties: **Early Jersey Wakefield, Charleston Large Wakefield, Succession, Early Flat Dutch**—These are hardy outdoor grown plants. Will withstand the most severe weather. They are not as green and bright looking as the hotbed stock, but that does not harm them in the least. It is because they have been grown right out in the open all winter. They grow off quickly and make fine, heavy, hard heading cabbage. We supply them from January 1st to April 1st. For prices see page 2.



Early Flat Dutch Cabbage

EXPERT KNOWLEDGE OF THE SEED BUSINESS

This company possesses expert knowledge of the seed business which is of unlimited value to our customers. Our long experience in seed testing and handling and actual farm operations has been of material benefit to us.

This technical knowledge with the handling and selecting seeds from many sections of the country has given us wide information and experience, that is our vast help and benefit to you.

The buying of seeds are the most important purchases of the farmer, not only does he want to save money, but he wants seeds that are pure and that are of high germination and the variety which he wishes to grow and seed that are especially adapted to his soil and climatic conditions.

We are able to furnish him such seeds because of the fact that we are expert and experienced in the business and our equipment is complete in all respects.

Poor seeds and the wrong variety means big loss. By all means avoid cheap stocks. Our Motto is the best seeds at the lowest prices, therefore send your orders to us, as we specialize in heavy field seeds and high class garden seeds, and are in position to furnish you the best that are produced.



Perfection Drumhead Savoy

Russell-Heckle's Eureka This is a valuable extra early variety, coming into use as early as Wakefield. The heads are round, slightly flattened and very solid. Fine market gardeners' stock. Pkt., 10c; oz., 75c; ¼ lb., \$2.00; 1 lb., \$7.00; parcel post paid.

Winter Queen This is unquestionably one of the best late cabbages grown in this country. It has been tested along with other varieties, and proven to be not only larger, but more solid, and keeps well. We recommend this cabbage as an excellent fall variety. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Mammoth Rock Red The largest surest-heading red cabbage. Pkt., 10c; oz., 60c; parcel post paid.

For prices on both Frost-Proof and Hotbed Cabbage Plants, see page 2.

PE-TSAI

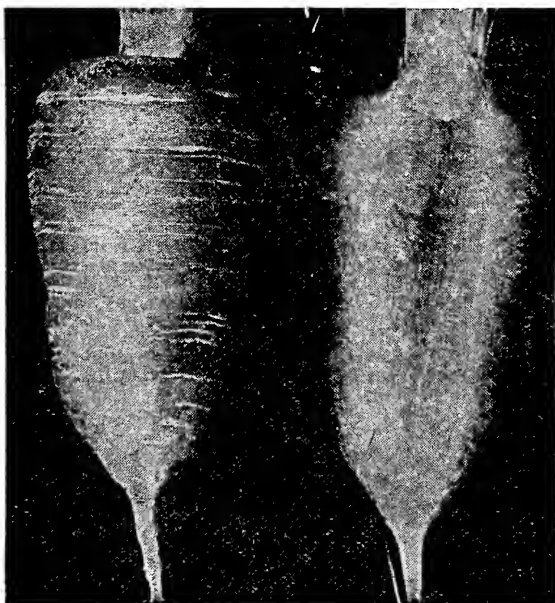
(Chinese Cabbage or Celery Cabbage.)

Pe-Tsai has a mild cabbage flavor, very delicate and delicious, and makes delicious slaw; also a very fine salad. When cooked it makes greens delicately cabbage-flavored and not at all like boiled cabbage. It blanches to almost clear white.

The culture is the same as for Winter Cabbage. The seed should be sown for fall crop in June, July to September, half inch deep in the row and rows about 24 inches apart. When the plant has grown up to 5 or 6 inches in height thin to 10 inches apart, keeping the best and pulling up the others. Cultivate well, and when large enough should be blanched by earthing up and tying closely with burlap. The heart is snowy white and very tender and sweet. Not affected by frost. Any good soil is sufficient, but they seem to head up best on rich, black adobe soil. Price, large pkt., 5c; 1 oz., 50c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.

CARROTS

Sow from February to September in light, deep rich soil in drills 12 inches apart; plants should stand 5 inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill; 4 pounds to the acre.



Danver's Half Long Carrot

Late Flat Dutch This we have always found a reliable and sure header, producing large, round, solid heads, flat on the top, of low growing habit, and few outer leaves. Pkt., 5c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.

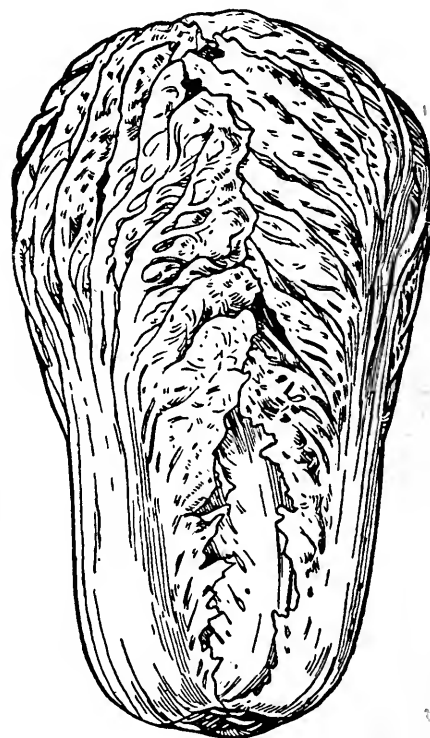
Large Late Drumhead Rounder on the top than Flat Dutch, and not quite so short-stemmed. Good, large heads. Pkt., 5c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.

Perfection Drumhead Savoy This is the hardest heading and best all-around Savoy. Plants are of strong growth, having a moderate number of outer leaves growing closely about the large, solid, round heads. Heads, beautifully blanching and of the finest flavor. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Succession Second early variety, coming in a few days later than Early Summer, but it is nearly double the size of that variety and comes true to its type under most conditions. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.00; parcel post paid.

Stein's Early Flat Dutch It is a very sure header, heads large, solid and very heavy. A very late keeper and a splendid variety for either home use or shipping. I advise all customers to include this variety with your order. Splendid for market growers. Pkt., 5c; oz., 50c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

Surehead Produces large, round flattened heads. The heads are remarkably uniform, very hard, firm and fine in texture; sweet flavor and has but few loose leaves. Keeps well. Pkt., 5c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.



Pe-Tsai

Half Long Scarlet This variety is a very productive one. It has an extra large shoulder, is easily dug, and is desirable in all respects. It is a stump-rooted sort, very smooth, fine in texture and of a beautiful rich, orange color. For table use it is considered by many to be the best of all, both on account of shape and quality. The flesh, when cooked, is very tender. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25, parcel post paid.

Danver's Half Long A popular standard variety of rich, dark orange color. Regular and uniform in shape and wonderfully productive. Under special cultivation it has yielded from 20 to 25 tons per acre. One of the finest varieties in cultivation. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25; parcel post paid.

Improved Long Orange (Pointed Rooted.) The standard late variety; very handsome and uniform in shape; deep orange color; good flavor; yields very heavily. Requires a deep soil; plants should stand 8 inches apart in 18-inch drills for roots to attain their full size. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.15; parcel post paid.

Early Scarlet Horn Early smooth bright orange; solid; does well in shallow soil. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.50; parcel post paid.

Large White Belgian (For Stock.) Grows to an enormous size, making very large yield of most nutritious and fattening feed for stock. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Laura Town, Ark., May 30, 1919.
Russell-Heckle Seed Co., Memphis, Tenn.
Gentlemen:
Enclosed find my check for \$854.25 in full payment of all that I owe.
Accept my thanks for the good service that you have given me on deliveries and good sound seed.

Yours very truly,

JNO. K. GIBSON.

CAULIFLOWER

Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins fasten leaves over top of head to whiten. One ounce of seed makes 2,000 plants. We handle only the very best quality seed that will make a head.

Early Snowball A sure header; large, solid, perfectly white, and good quality. Pkt., 20c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$4.00; parcel post paid.

Dry Weather Cauliflower This new cauliflower is especially adapted for growing in dry locations, when other varieties fail. It produces large, solid heads. Pkt., 15c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$4.00; parcel post paid.

CELERY

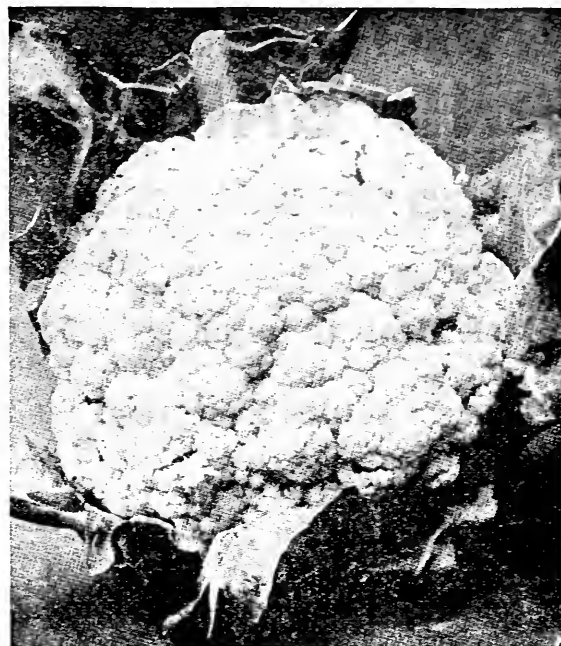
Sow in beds in February or March and keep well watered. Transplant from July to October to moist mucky soil; 6 inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top. One ounce of seed produces 2,000 plants.

Henderson's White Plume One of the best for early use; handsome; good quality; blanches easily. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; parcel post paid.

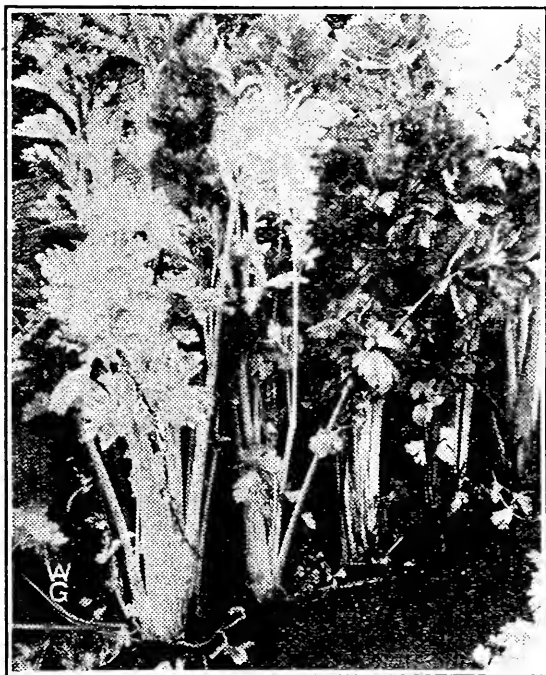
Golden Self-Blanching Early, large, crisp, solid, good flavor. Pkt., 5c; oz., 45c; $\frac{1}{4}$ lb., \$1.50; parcel post paid.

Large White Solid A favorite strong-growing variety; hardy, solid and crisp. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., 90c; parcel post paid.

Celeriac, or Turnip Rooted Celery Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.00; parcel post paid.



Early Snowball Cauliflower



Golden Self-Blanching Celery

CHERVIL

Large Green Curled Very ornamental, its leaves being beautifully colored and delicately cut. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; parcel post paid.

CHICORY

Sow in April and transplant in May in trenches one foot deep; cover the roots with soil, adding a good layer of manure two or three inches thick. Valuable as a salad as well as a vegetable. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; parcel post paid.

COLLARDS

Culture This is a variety of cabbage largely grown in the South, where it is extensively used for man and beast. It forms a large, loose, open head, or mass of leaves. Freezing does not injure the crop. Sow seeds in the South from January to May, August to September.

Georgia Blue Stem The old-fashioned kind, known for a hundred years or more; very tall and long stemmed. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00; parcel post paid.

Georgia White Cabbage Called Cabbage Collard on account of its close bunching growth and light green leaves. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25; parcel post paid.

North Carolina Buncombe Large, spreading leaves; very hardy; good flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25; parcel post paid.

Corn Salad or Fetticus

One ounce will sow about 18 square feet.

Sow in September or October. Large, round-leaved. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.75; parcel post paid.

Cress, or Pepper Grass

One ounce will sow about 15 square feet.

A well known pungent salad. Sow at frequent intervals, to keep up a succession, as it soon runs to seed.

Curled, or Pepper Grass Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.00; parcel post paid.

True Water Cress Pkt., 10c; parcel post paid.

OUR SPECIAL DISCOUNT TREAT 'EM RIGHT

On all cash orders for Garden and Flower Seed, at our catalog prices, we will allow the following special discounts:

For \$1.00—Select seed in packets: 1 oz., $\frac{1}{4}$ lb., $\frac{1}{2}$ pt., 1 pt., 1 qt. packages to the value of \$1.15.

For \$2.00—Select seed in packets: 1 oz., $\frac{1}{4}$ lb., 1 lb., $\frac{1}{2}$ pt., 1 pt., 1 qt. packages to the value of \$2.40.

For \$3.00—Select seed in packets: 1 oz., $\frac{1}{4}$ lb., 1 lb., $\frac{1}{2}$ pt., 1 pt., 1 qt. packages to the value of \$3.60.

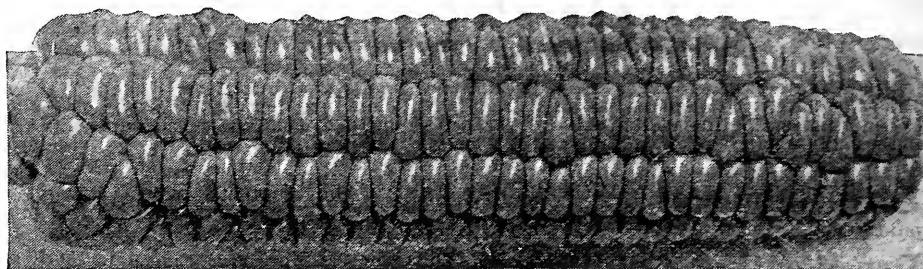
These discounts apply only to garden and flower seeds in the size packages named. They do not apply to any Insecticides, Fertilizers, Onion Sets, Poultry Supplies, Plants or Trees.

IMPORTANT SPECIAL NOTICE

Deduct 10c on pound prices quoted parcel post paid in our catalog if you order goods shipped by express or freight.

CORN, SWEET AND GARDEN

For early market, plant early varieties latter part of March. Sugar corns should not be planted until April, then at intervals of two weeks for a succession. Sugar corn planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre. Any three 10c packages mailed for 25c.



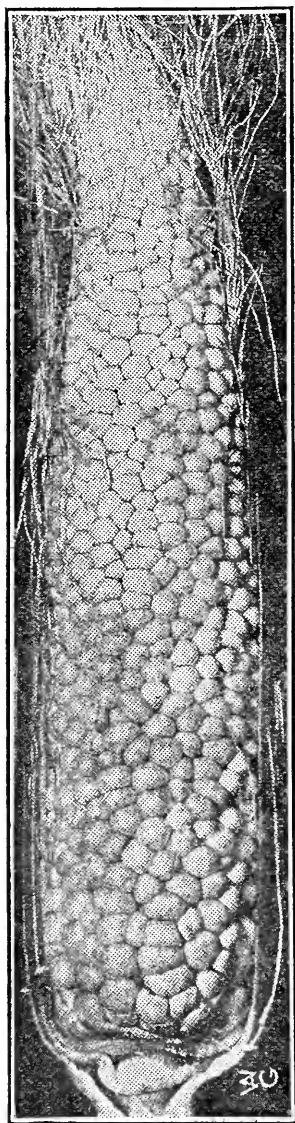
Golden Bantam Sweet Corn

Black Mexican Sugar The black corn is especially rich in sugar qualities. Pkt., 15c; ½ pt., 25c; 1 pt., 40c; qt., 75c; parcel post paid. Not prepaid—½ pt., 20c; pt., 35c; qt., 65c.

Burpee's White Evergreen Has ears as large as Stowell's, is five days earlier; grains pure white. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 45c.

Country Gentleman Considered one of the best quality sweet corns for table use and canning; has long, deep grains, and yields 2 to 4 ears to the stalk. A general favorite. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.75; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.60.

Day Break Matures a little later than Early Adams, but produces much larger ears, 14 to 16 straight rows. It is not as early as some of the early Sugar Corns, but produces much larger ears, which fill barrels quickly; hence, usually as profitable crop for market gardeners. Grains white and smooth; stalks eight to nine feet high, with a good many leaves. This is a valuable sort for very late crop, when too late to plant other varieties, as it yields fairly well as a field crop. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; 4 qts., \$1.40; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 40c; 4 qts., \$1.25.



Country Gentleman Sweet Corn

Early Adams About a week later than Extra Early, but has larger ears; small stalks; earlier and harder than sugar corn. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 45c; 4 qts., \$1.20; parcel post paid. Not prepaid—½ pt., 10c; pt., 20c; qt., 35c; 4 qts., \$1.00.

Extra Early Adams Earliest white corn; small ear and stalk. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 45c; 4 qts., \$1.20; parcel post paid. Not prepaid—½ pt., 10c; pt., 20c; qt., 35c; 4 qts., \$1.00.

Early Surprise A splendid early white corn, coming in directly after Adams Early, but much larger; has a deep white, soft grain. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 45c; 4 qts., \$1.20; parcel post paid. Not prepaid—½ pt., 10c; pt., 20c; qt., 35c; 4 qts., \$1.00.

Golden Bantam A distinct variety of Extra Early Sweet Corn of golden yellow color, very sweet and tender; is hardy and can be planted earlier than most sweet corns. Has several ears on the stalk 5 to 7 inches in length. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 60c; 4 qts., \$1.75; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.60.

Golden Cream This new variety is a cross between Golden Bantam and Country Gentleman. Grains rich cream in color, and deliciously sweet. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.40; parcel post paid. Not prepaid—½ pt., 10c; pt., 20c; qt., 40c; 4 qts., \$1.25.

Howling Mob Of larger size than usual for the early kinds. It is remarkable for the fine flavor and sweetness and is a

desirable gardeners' and canning variety. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 60c; 4 qts., \$1.65; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.50.

Henderson's Early Sugar Early, good-sized ears and deep grain; very productive. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 60c; 4 qts., \$1.65; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.50.

Improved Adams A fine variety, slightly larger than Early Adams and one week later. Sells well on account of the size of the ear. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 45c; 4 qts., \$1.20; parcel post paid. Not prepaid—½ pt., 10c; pt., 20c; qt., 35c; 4 qts., \$1.00.

Kendall's Early Giant The largest early sweet corn known, and is very productive. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 60c; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c.

Mammoth Sugar Latest but largest; sweet; fine quality and flavor. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 60c; 4 qts., \$1.85; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.70.

Seymour's Sweet-Orange A most desirable second-early or midseason variety, growing vigorously from six to seven feet in height, and producing an average of two good ears to a stalk. The ears are ready for use five days to a week later than those of the Golden Bantam, and are from six to seven inches in length, with twelve to fourteen rows of deep, rather slender grains of a light canary-yellow. Of strong growth, the larger ears are well filled and the grains are exceptionally sweet and full of milk. Pkt., 10c; ½ pt., 25c; pt., 35c; qt., 60c; parcel post paid. Not prepaid—½ pt., 20c; pt., 30c; qt., 50c.

Stowell's Evergreen The most popular main crop sweet corn. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 45c; 4 qts., \$1.40; parcel post paid. Not prepaid—½ pt., 10c; pt., 20c; qt., 35c; 4 qts., \$1.25.

Trucker's Favorite The hardest and earliest variety for table use; it can be planted earlier than any other, but is not a sweet corn; white indented grains and short ears. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 40c; 4 qts., \$1.20; parcel post paid. Not prepaid—½ pt., 10c; pt., 20c; qt., 30c; 4 qts., \$1.00.

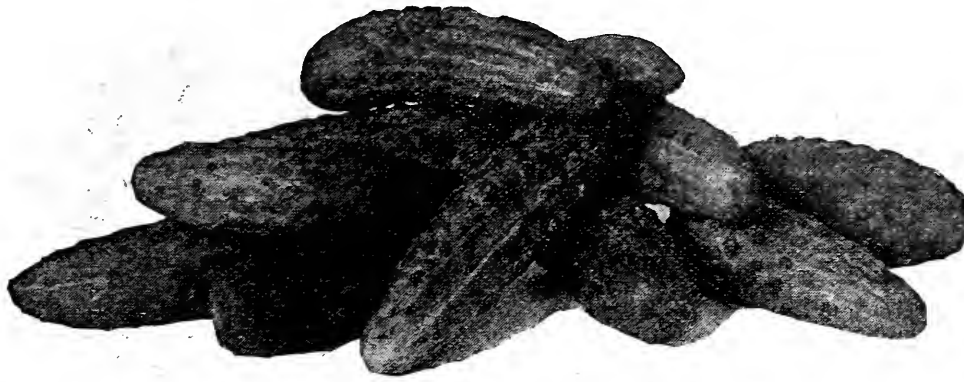
White Flint Standard large yielding White Flint. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 40c.

Yellow Canada Very early Yellow Flint. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 40c.



Early Surprise Sweet Corn

Prices on Sweet and Garden Corn by gallon, peck and bushel are quoted on Special Green Ink Price Sheet enclosed.



Davis Perfect Cucumbers

The Davis Perfect An excellent variety both for outdoor and forcing purposes; unequalled for shape, quality, color and productiveness. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Early Fortune One of the best selections of the White Spine type, is becoming very popular among the market men of the South. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Early Green Cluster A very early variety, bearing in clusters. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Early Frame A standard sort for table or pickling; of medium size. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Klondyke A new variety very similar to the White Spine. Has proven highly satisfactory. Many market gardeners insist that it is the best of all. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Improved Early White Spine An improved strain of the White Spine; good for forcing or outdoors. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Improved Long Green A fine bearer of superior quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.



Black Beauty Egg Plant

CUCUMBERS

For very early crop plant in hotbeds; for later crop plant from April to July, in rich, well-manured hills 4 feet apart, 10 seeds in hill; thin to two or three plants. One ounce to 50 hills.

Boston Pickling A favorite with pickle growers and commercial market gardeners; good for table use, very productive. Fruit small and uniform in size. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.35; parcel post paid.

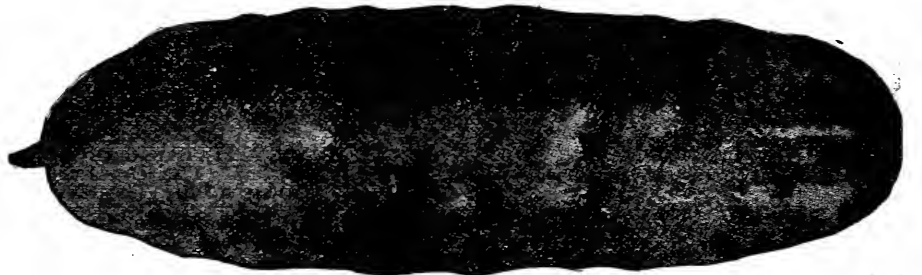
Cumberland Pickle A splendid variety for pickling or table use. The vines are very strong and very productive. Pkt., 5c; oz., 20c; ½ lb., 50c; 1 lb., \$1.35; parcel post paid.

Extra Long White Spine Much longer than ordinary White Spine, very prolific. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Fordhook Famous An extra long cucumber of the White Spine family; it is smooth, straight and very handsome appearance; skin is a greenish white, very firm and crisp. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Gherkin, or Burr Used only for pickling. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Japanese Climbing This is a strong and vigorous grower; fine for pickling. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$2.00; parcel post paid.



Improved Long Green Cucumber

Long Green Turkey An excellent variety. Dark green; flesh firm and solid. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Packers Perfection A choice strain, crisp and brittle. Are slender and from three to five inches in length when of a proper age for pickling. The fruits are of an unusually dark, green color. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

DANDELION

The Dandelion resembles Endive, and affords one of the earliest as well as one of the best and most healthy spring greens. Pkt., 10c; oz., 60c; ¼ lb., \$2.00; parcel post paid.

EGG PLANT

Sow in February or March. When 2 inches high transplant to pots or good rich soil, and in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

Black Beauty This is the earliest and best of all large fruited Egg Plants. The large fruits are thick and of the most attractive form. The skin is a rich, lustrous, purplish black, and it is entirely free from spines or thorns. Pkt., 10c; oz., 60c; ¼ lb., \$2.00; 1 lb., \$7.00; parcel post paid.

New York Improved Purple The old standard variety. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50; parcel post paid.

For prices on Egg Plants ready to set out, see page 2.

We recommend and sell MULFORD CULTURES for Legumes to inoculate your Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches and all other Legume Crops. Small Cost; Large Returns; Easy to Use; No Labor Expense.

PRICES—Mulford Cultures are supplied for the varieties of legumes listed at the following prices:

5-acre size ("A Dollar per acre")	\$5.00
1-acre size	1.50
Garden size (¼ acre)	.50

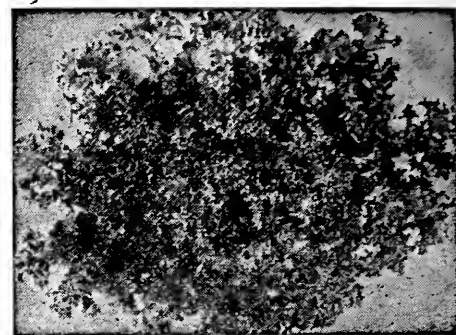
Why buy expensive commercial nitrates when you can grow legume crops and thus increase your yield, and at the same time increase the nitrates and enrich and renovate your soil by Nature's own method?

ENDIVE

One ounce will sow 200 feet of drill.

For first crop sow about the middle of May, and for succession in June and July. When the plants are two or three inches high, thin them out or transplant into moderately rich and rather light soil, one foot apart. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.

Green Curled The hardiest variety grown; beautifully curled. Pkt., 5c; oz., 25c; ½ lb., 75c; 1 lb., \$2.25; parcel post paid.



Green Curled Endive

FENNEL

A delicious vegetable which should be more largely grown in this country. It is extensively used in Europe as a salad, and also may be served boiled. Has an agreeable aromatic flavor, somewhat resembling celery, but with sweet taste and more delicate odor. Very distinct from the Common Fennel. Height of plant, 2 feet. Pkt., 10c.

GARLIC

The sets should be planted in well-enriched soil early in spring, the rows 1 foot apart, and about 3 inches between the plants in the row. Harvest same as onions. Sets, ¼ lb., 20c; 1 lb., 50c; parcel post paid.

GOURDS, ETC.

Dipper Gourd—Pkt., 10c.
Nest Egg Gourd—Pkt., 10c.

Dish Rag or Luffa—Pkt., 10c.
Sugar Trough—Pkt., 10c.

HERB SEED

Packet, parcel post paid.

Basil, Sweet—For flavoring soups. 10c
Dill, Mammoth—Used for flavoring pickle. 10c
Marjoram, Sweet—Used in seasoning meats. 10c
Savory, Summer—Used as a culinary herb. 10c
Sage, Broad Leaved—A popular flavoring plant. 10c
Thyme—Much used for seasoning. 10c
Lavender—Used for its odor. 10c
Rosemary—For seasoning meats and soups. 10c

HORSE-RADISH SETS

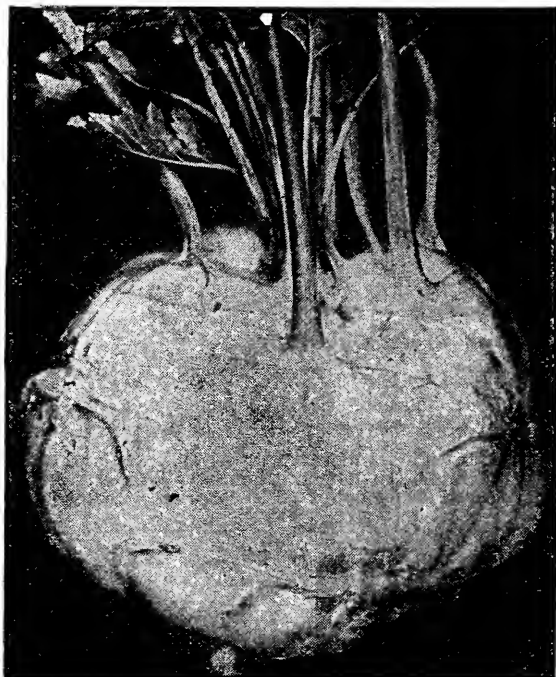
Large White The standard market variety. Doz., 30c; per 100, \$1.50; parcel post paid. By express—Doz., 25c; 100 for \$1.25.

KALE

This is extensively grown, especially in the South during the fall, winter and spring. The leaves are used principally for greens. A favorite way is to cook them with bacon. The leaves are also used for garnishing.

Where climate permits seed may be sown any time from August to October, broadcast or preferably in drills eighteen inches apart so that the plants when small may be cultivated. The quality is improved rather than injured by frosts if not too heavy.

Sow from 2 to 3 pounds to the acre, one ounce to 200 feet of drill.



Early White Vienna Kohl-Rabi

Dwarf Green Curled A very vigorous growing variety of spreading habit, its green foliage having a distinctive bluish tinge or bloom. The leaves are very large, comparatively plain in the center but are cut and frilled at the edges. The variety is very hardy, a favorite for greens and in some sections is extensively grown for forage. This sort is sometimes called Sprouts. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Dwarf Curled Scotch A finely curled, spreading, low-growing variety, very hardy and much used for greens. This sort, sometimes called Norfolk, is grown extensively in the South for shipment and is planted largely for the home garden. The leaves are long and attractive bright green. This sort is often used for garnishing. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00; parcel post paid.

Tall Green Curled Scotch The plant of this variety grows to three or four feet high, bearing long, plume-like, light green leaves which are deeply cut, also finely curled at edges. Very ornamental and so hardy that a moderately heavy frost improves rather than injures its quality. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00; parcel post paid.

KOHL-RABI

Early White Vienna This is the best and earliest variety for table use. Pkt., 10c; oz., 35c; ¼ lb., 90c; 1 lb., \$3.25; parcel post paid.

OUR SPECIAL DISCOUNT TREAT 'EM RIGHT

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For \$1.00—Select seed in packets: 1 oz., ¼ lb., ½ pt., 1 pt., 1 qt. packages, to the value of \$1.15.

For \$2.00—Select seed in packets: 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt. packages, to the value of \$2.40.

For \$3.00—Select seed in packets: 1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt. packages, to the value of \$3.60.

These discounts apply only to garden and flower seeds in the size packages named. They do not apply to any insecticides, Fertilizers, Onion Sets, Poultry Supplies, Plants or Trees.

MUSHROOM SPAWN

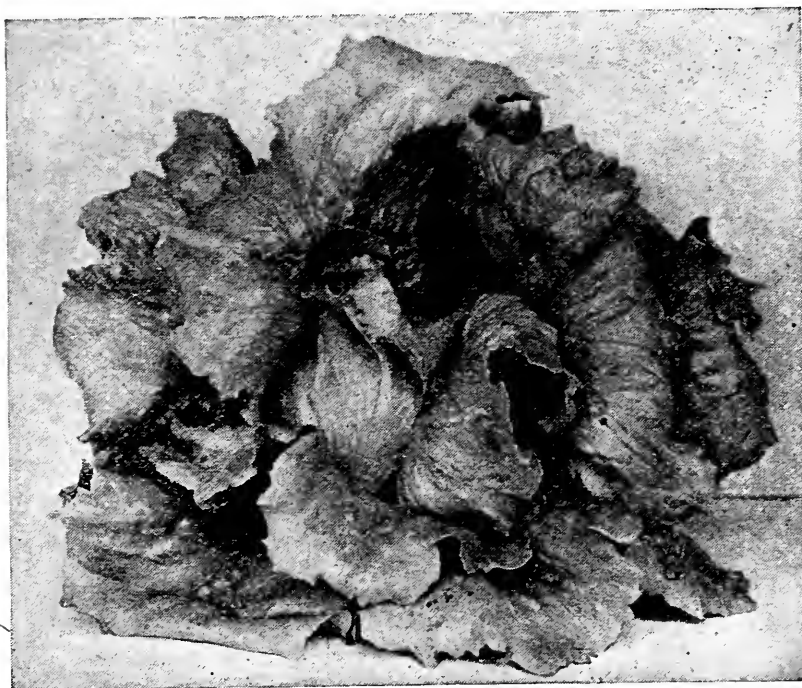
Lambert's Pure Culture.

Mushrooms can be grown in cellars, in sheds, in hotbeds, or sometimes in open air. Fermenting horse manure at a temperature of about 70 degrees, mixed with equal weight of fresh sod loam, is made into beds the size required, 8 inches deep. In this bed plant the broken pieces of spawn, 6 inches apart, covering the whole with 2 inches of light soil, and protect from cold and rain. The mushrooms will appear in about 6 weeks. Water sparingly with lukewarm water. Per brick, 50c; 5 bricks, \$2.00; parcel post paid. By freight—Per brick, 40c; 5 bricks, \$1.75.

LEEK

London Flag Broad leaves, of strong and vigorous growth. Pkt., 5c; oz., 35c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

Japanese Leek or Green Onion A species of onion which does not form a bulb, but is used for its mild and delicious root, stem or neck. It is regarded as a great favorite and one of the most useful vegetables in Japan with unusual merit of its superior flavor. Use just for the place of the onion or the leek. Pkt., 5c.



Dreer's All Heart Lettuce

Brittle-As-Ice Very large, extremely crisp, hard-heading, and extra long standing. Retains its crispness and mild flavor to a greater degree during the hot summer months than any other crisp-headed variety; also very desirable for spring and fall. The leaves are of a soft, bright green, growing tightly around the head. They blanch to a silvery white, and are nearly as crisp as celery. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

California Cream Butter A splendid variety for summer. Produces very large head. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Cos or Romaine The best of the celery lettuces; forms large, light green, well folded heads of upright growth, and popular for its crispness and mild flavor. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00; parcel post paid.

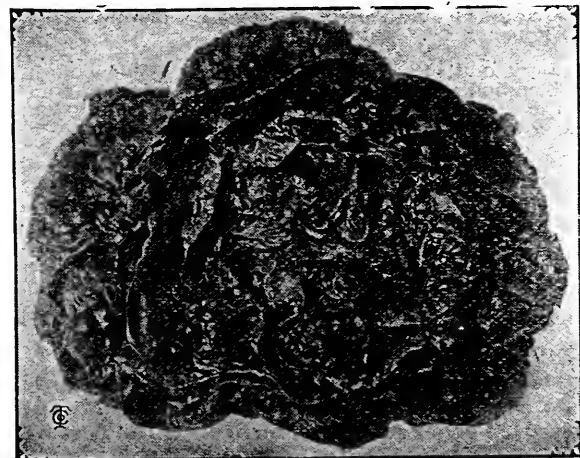
Deacon A good summer cabbage sort; very crisp, large and light in color. A good sort to grow for market. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Dreer's All Heart This is an excellent summer variety. The head is of large size, is very firm and remains in condition for use a long time. The plant is very compact, with few outer leaves which are usually very smooth, thick and of light green color. The inner leaves blanch to a bright, rich yellow and are crisp, buttery and very well flavored. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Early Curled Simpson Makes a well-blanced, curly loose head; crisp and tender; rapid growing; one of the best curled varieties. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Hanson One of the best summer lettuce. Has large, solid, compact heads, tender and crisp; blanches well and withstands hot weather. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Heckle's Bonanza The best head lettuce for early and late planting. Heads very uniform. Color of leaves light green on the outside, golden yellow inside. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.



Early Curled Simpson Lettuce

LETTUCE

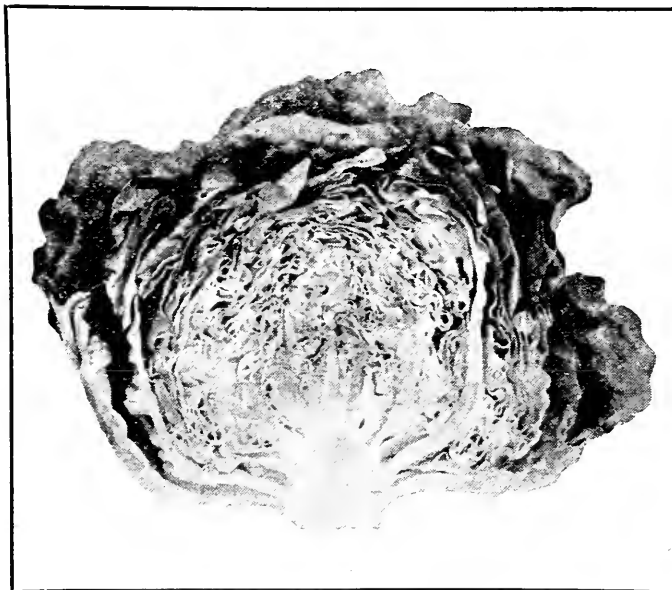
One ounce will produce 3,000 plants. For early use sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to middle of August, every 2 or 3 weeks for succession.

Big Boston A fine, large-heading forcing sort, and succeeds well in open ground; the plants are very hardy and vigorous. When well grown, the heads are beautifully blanced and tender. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Black Seeded Simpson Produces a compact mass of leaves, light color; nearly double size of ordinary Simpson. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Burpee's Wayahead A superb new heading lettuce variety, both in earliness, size and quality. Outer leaves light green, and the inner leaves blanch to a rich butter yellow tint; the heads are very large and solid. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00; parcel post paid.

Burpee's Iceberg Lettuce The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center, which is consequently thoroughly blanced. It matters not whether grown to head in the early spring or in the hottest days of summer, the leaves are always crisp and tender. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00; parcel post paid.



Big Boston Lettuce

Heckle's Perfect One of the best head lettuce; stands the hot midsummer sun without burning. Heads are very solid, large and of a most desirable light green color. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00; parcel post paid.

Large White Cabbage Head This is the best all-around lettuce in cultivation. Does well for early spring, summer and fall planting. Makes fine, large solid heads with blanced hearts. Crisp and tender. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Mignonette Small, solid heading, never fails, edged with reddish brown. The flavor is fine and the leaves crisp. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$1.75; parcel post paid.

Prize Head Solid heading, leaves edged with reddish brown. The flavor is fine and the leaves crisp. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

St. Louis Butter Forms a fine large head, crisp and tender, very slow to run to seed. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$1.75; parcel post paid.

Wonderful New York This splendid mammoth heading and long-keeping variety has been grown to weigh 6 lbs. to the head; frequently weighs 2 or 3 lbs. Heart is solid, of light green color, very sweet, tender and crisp. Long standing, perfect heads may be cut from the same bed for many weeks. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

For prices on Lettuce Plants, see page 2.

Musk Melon or Cantaloupe

Plant in hills 5 feet apart in light, rich soil well manured; 10 seeds to hill, thin to 4 plants. Cultivate well. Pinch off ends of vine as they begin to blossom, which will increase the yield. One ounce to 60 hills.

Baltimore One of the best of cantaloupes for main crop. The flesh is thick, of a beautiful deep rich green color, and of excellent flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Banana Long, shaped like a banana; has a most delicious flavor. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00; parcel post paid.

Burrell's Gem Skin is rather dark green and rind thin, leaving a thick lining of salmon flesh, which is of most delicious, juicy flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Burpee's Fordhook A very early sort, similar to the Nutmeg. The flesh is thick, of a deep salmon color. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

Burpee's Spicy Cantaloupe Has a peculiar rich, sugary flavor. The flesh is of a rich, deep salmon, two inches thick, entirely stringless, soft and melting. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25; parcel post paid.

Champion Market Fruit large, round or slightly oval, slightly ribbed and covered with dense netting. Flesh is green, of medium texture, very thick and sweet. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

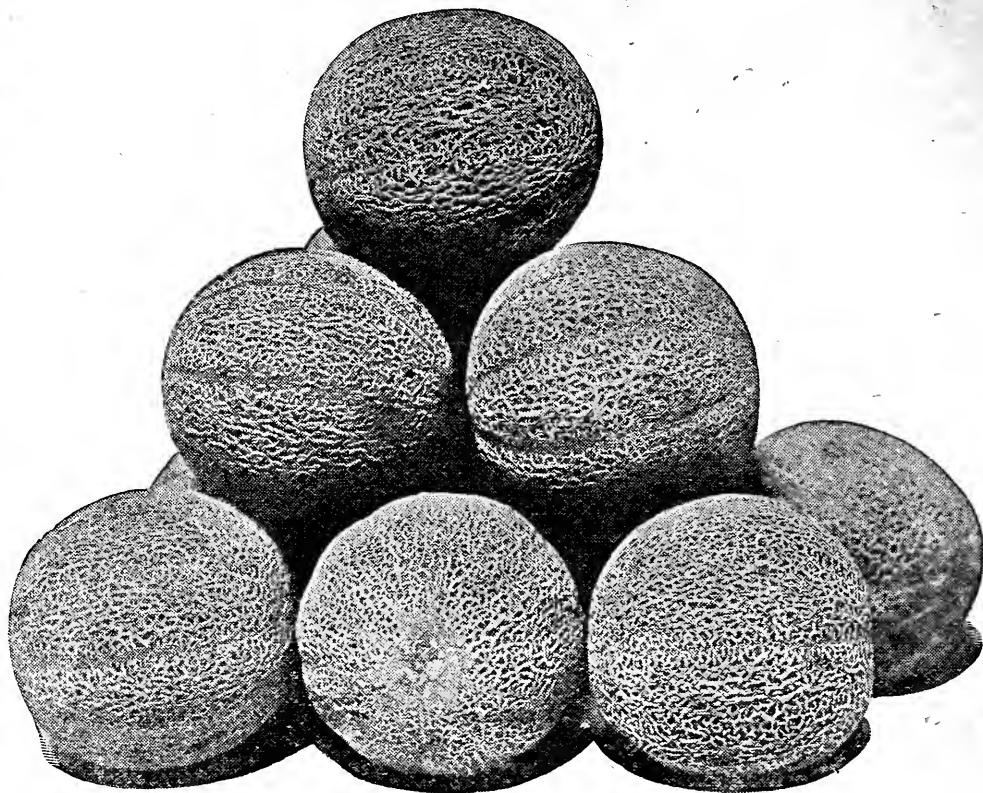
Early Netted Gem One of the earliest, globe-shaped, uniform in size, flesh light green. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Emerald Gem The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Golden Netted Gem A larger and improved strain of the well-known Netted Gem variety; of most excellent flavor. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Gold Lined Rocky Ford This is a much improved Rocky Ford with the inside of the green flesh slightly lined with orange. A very beautiful and valuable sort of the finest quality. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Honey Dew Melon A splendid new variety, rind dull white when ripe. The flesh is a rich green, very sweet and delicious flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.



Rocky Ford Cantaloupes

Mammoth Rocky Ford The general type of this melon is similar to the regular Rocky Ford, but they grow somewhat larger in size, making it a splendid variety for market. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Mango Melon, or "Vine Peach" Size, shape and color of an orange, fine for preserving or pickling. Pkt., 10c; oz., 25c; parcel post paid.

Miller's Cream The fruit is large and round, with light green netted skin and thick, sweet, salmon-colored flesh. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Osage Gem Handsome; oval, new variety; rich orange, flesh very sweet. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Prolific Nutmeg An early variety of medium to a small size; nutmeg in shape and thickly netted; very productive and of first-class quality. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Pink Meat Rocky Ford Is quite similar in appearance to an Eden Gem type of Rocky Ford, being beautifully netted, but the flesh is pink. Its shipping qualities are excellent, quality all that can be desired. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

Quill Melon Very odd; 18 to 21 inches long. Yellow flesh, blending from bright green to rich salmon. Fragrant, and one of the most delicious of melons. Early. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

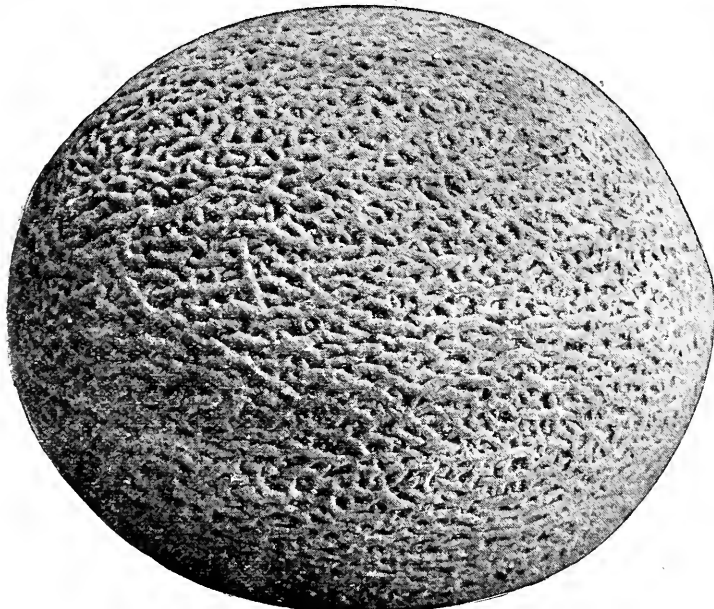
Rocky Ford One of the most popular. Just right size for restaurant and hotel service; flesh is green, thick, lusciously sweet. It is netted and ribbed, and ripens early. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Russell-Heckle Seed Co., Memphis, Tenn.:

Sirs—Inclosed find money order for \$2.08 for which please send me enough Don Sung to cover the amount.

We sent for a trial package some weeks ago, and the time was only getting two eggs per day, now we are getting 27 out of 40 hens. We have tried other remedies, but this is the best we have ever used. Please send by return mail and oblige.

R. E. McGRAW, R. No. 1, McLeod, Miss.



Prolific Nutmeg

WATERMELONS



Gray Kid Melon

One ounce to forty hills; three or four pounds to the acre. Drop in the middle of spring, in hills six to eight feet apart, six to ten seeds, one inch deep, and thin to three best plants. Generally about the middle of April is the proper time to plant melons in this section. Price, any variety, 3 packets for 10c; parcel post paid.

Angel Kiss Flesh is of the deepest indescribable crimson; delightfully sweet and refreshing. It grows from medium to very large, very long in shape, and nearly white in color. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Black Diamond Immense size; grows to average 75 to 90 pounds; rich, dark green, uniform, round to oval shape; flesh deep red, of fine quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Black Kid Melon A large, long melon. Rind dark green, with waving stripes of black; interior always solid, the edible portion extending within ½ inch of the skin; flesh brilliant red, sweet, tender, crystalline, very juicy. Pkt., 10c; oz., 25c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

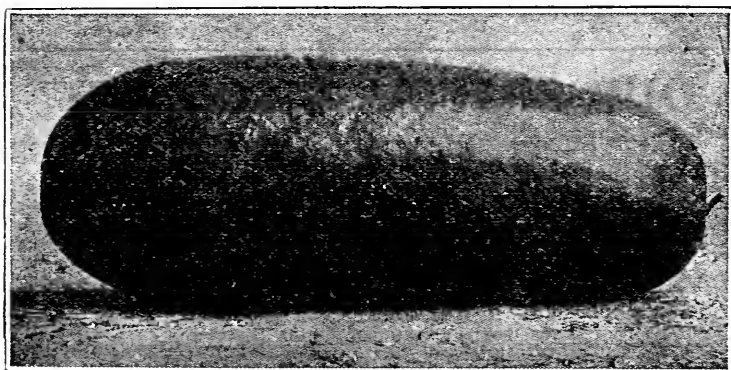
Burpee's Early Fordhook This is the earliest large-fruited melon in cultivation, often weighing thirty to forty pounds each; has deep green skin and is an excellent shipper; the flesh is light red, sweet and of splendid quality. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c; parcel post paid.

Bradford Fine flavored, large, oblong in shape with rather square ends. The skin is very dark green. The flesh dark red in color, and of excellent flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Florida Favorite Oblong in shape, growing to a very large size; rind dark green, striped with lighter; highly prized on account of its delicious flavor; seed light colored. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Georgia Rattlesnake A large, striped variety of oblong shape; flesh scarlet and of superior quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Gray Kid Melon An old favorite in this section. Melons grow long with a greenish white rind, flesh brilliant red, crisp and sweet, undoubtedly one of the best for home use. Medium early. Pkt., 10c; oz., 25c; ¼ lb., 60c; 1 lb., \$2.00; parcel post paid.



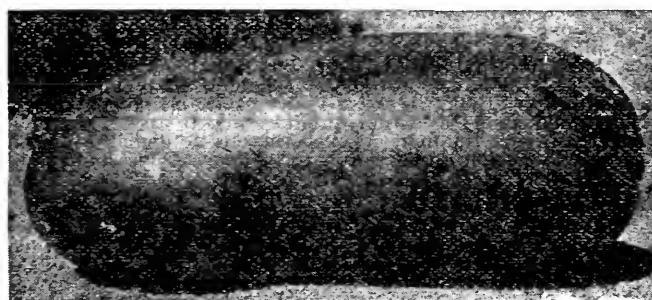
Halbert's Honey Watermelon

Halbert's Honey The melons average eighteen to twenty inches long and are full or bluntly rounded at both ends. The skin is a dark, glossy green. The flesh is a beautiful crimson, the rich coloring and luscious quality extending to the thin rind. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Harris' Earliest A new extra early variety. It is the melon to plant for profit. Very good size, weighing from 15 to 20 lbs.; flesh bright red, juicy and sweet. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Jackson A long melon, with mottled green skin, firm red meat and ripens close to the rind. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Kleckley's Sweet The best melon grown. Oblong, very large, dark green, faintly striped, very sweet, entirely stringless; very prolific. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.



Kleckley Sweet Watermelon

Kolb's Gem Fruit nearly round, medium size; skin marked with irregular stripes of light and dark green. A good shipper, and of good quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 80c; parcel post paid.

IMPORTANT

SPECIAL NOTICE

Deduct 10c on pound prices quoted parcel post paid in our catalog if you order goods shipped by express or freight

WATERMELONS— Continued

Liberty Watermelon

A distinct and valuable melon, producing more good merchantable melons under the same conditions than any other variety; the eating quality is unbeatable. The sparkling red flesh is very sweet and entirely free from stringiness. The size is uniformly large, color of rind yellowish grey, earlier than the Watson and will keep in good condition for a long time after picking and stand long-distance shipments well. The rind will not sunburn, and will keep in good condition long after picked. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00. Parcel post paid.

Light Icing Flesh solid, of good flavor, splendid quality, rind thin. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 85c; parcel post paid.

Mountain Sweet An old standby and still the standard of excellence for quality; large, oval in shape, rind dark green, flesh scarlet, solid, very sweet and delicious; one of the best for home garden; dark seeds. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Red Seeded Citron for Preserves Fruit round and smooth. Is not eaten raw, but is used for making a very clear, transparent preserve of peculiarly fine flavor. Flesh white and solid. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

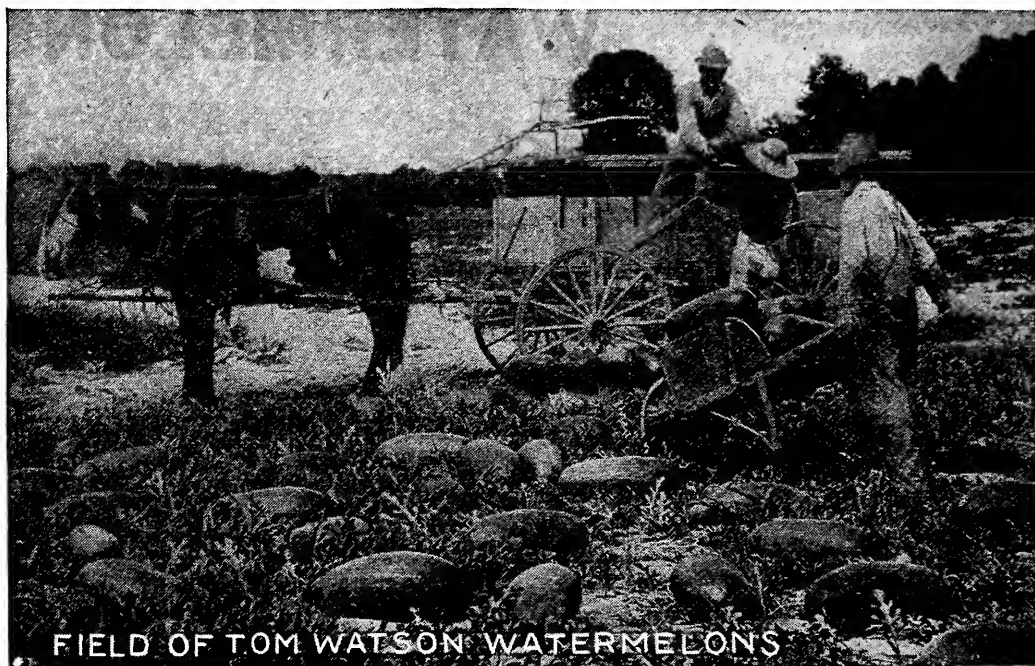
Sugar Stick A large, light green or grayish melon of oblong form, two feet in length, and will average 30 lbs. Flesh red, very sweet and tender. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Sweetheart Very large and heavy; flesh is blood red and exceedingly sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 85c; parcel post paid.

Temple Gray Very large and heavy; flesh is blood red and exceedingly sweet. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Tom Watson It is not often that any melon will jump from the unknown to the most popular melon grown in a short period of four or five seasons. The Tom Watson is a melon of that type; it is one of the very best shippers of the long melons, and one of the best quality. The melons will grow to a length of about two feet, and about one foot in diameter. The rind is a hard, mottled green, thin, but tough enough to endure shipping to any distant market. Of the long shaped melons it is the best shipper of any. The flesh is deep red and comes very close to the rind. We consider this for quality equal to any of the melons, and it sells readily on the market when there is no demand for others. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Tom Watson Extra This is an extra selected stock of this splendid well-known and popular melon. Seed is saved only from specimen fruit. The seed is then re-selected and made as near uniform as possible. The grower will no doubt appreciate this from the fact that this stock will grow larger and more regular melons than the ordinary strain. We are pleased to offer this special stock this season, as we are sure you will be highly pleased with the results. Pkt., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.



FIELD OF TOM WATSON WATERMELONS

MUSTARD

The fresh leaves are used largely as a salad or for boiling "greens" in the southern states during the fall and winter months. Sow in drills and make succession plantings.

Sow from February to April or September and October, broadcast or in drills, 6 inches apart. Cut when about 3 inches high. One ounce seed to 80 feet drilled; 6 pounds to acre broadcast.

Chinese Mammoth Not curled as the Southern Giant; leaves are very broad and smooth. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c; parcel post paid.

Elephant Ear Each plant produces numerous extra-large leaves of good substance and of most appetizing pungency. When they are grown in rich soil, the leaves attain eighteen inches to two feet in length; they are of a light-green color, with large white ribs or leaf-stalks. Pkt., 5c; 1 oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Fordhook Fancy The handsomest of the Mustards. Rich dark green leaves of excellent quality. Vigorous habit and withstands summer heat. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Japanese Mustard Takana A large, deep green leaf with some wrinkles on it and is easily grown everywhere and will keep in a green state in cold winter-time. Pick the leaf in winter and spring and use as general greens. Price, large pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Southern Giant Curled Leaves are large, light green with yellowish tinge, much crimped and frilled at the edges. Very succulent, pungent and of sweet flavor. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 65c; parcel post paid.

White Excellent for salad or culinary purposes. Seed used for flavoring pickles. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c. Parcel post paid.



Chinese Mammoth Mustard

OUR SPECIAL DISCOUNT

Treat 'Em Right

On all cash orders for Garden and Flower Seed, at our catalog prices, we will allow the following special discounts:

For \$1.00—Select seed in packets—1 oz., ¼ lb., ½ pt., 1 pt., 1 qt. packages, to the value of \$1.15.

For \$2.00—Select seed in packets—1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt. packages, to the value of \$2.40.

For \$3.00—Select seed in packets—1 oz., ¼ lb., 1 lb., ½ pt., 1 pt., 1 qt. packages, to the value of \$3.60.

These discounts apply only to garden and flower seeds in the size packages named. They do not apply to any Insecticides, Fertilizers, Onion Sets, Poultry Supplies, Plants or Trees.

OKRA OR GUMBO

One ounce will plant 100 hills.

This plant is extensively cultivated for its green pods, which are used in soups and stews, and are very wholesome and nutritious. Sow about the first of May, in drills three feet apart, and thin out the plants to one foot apart. Soak seed in water 12 hours—they germinate easier.

Kleckley's Favorite The plants grow two and a half to three feet in height, close-jointed, with ample foliage, and bear smooth white pods of the very finest quality at each leaf-joint. The pods average six inches in length by one and a quarter inches in diameter at the bottom; they are exceptionally tender and fleshy. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Dwarf Green Very early; pods green and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Tall, or Long Green Long ribbed pods; very productive. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

White Velvet This Okra takes its name from the smoothness of its pods, which are round, differing in this respect from the old sort. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c; parcel post paid.

ONION SEED

Sow in January or February in hotbeds or later in the open. Transplant to 12-inch rows, 5 inches apart, in very rich soil and cultivate well. Sow six pounds seed to the acre. For sets sow 60 to 80 pounds to acre in broad rows. Dig and dry when tops die.

Dark Red Italian The favorite with our market gardeners. Skin bright red, flesh white and exceedingly mild. In rich soil, they grow to a large size. Sow seed early in hotbed and transplant to the garden in February and March. Pkt., 10c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50; parcel post paid.

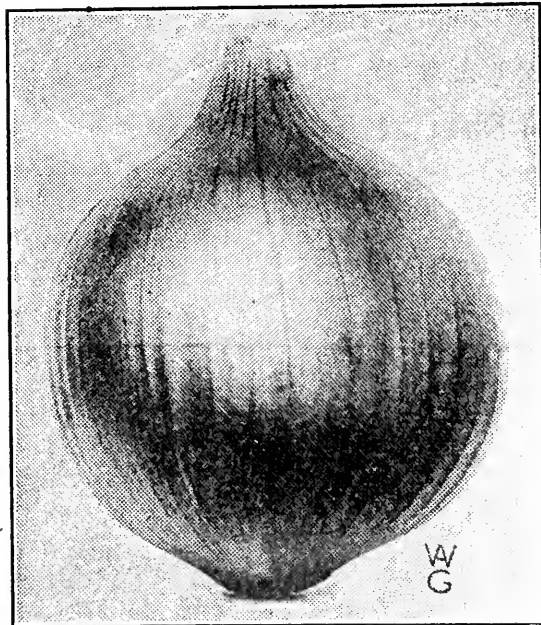
Large Red Wethersfield Medium early; skin is purplish red; flesh purplish white; a general favorite. Pkt., 5c; oz., 25c; ¼ lb., 80c; 1 lb., \$2.50; parcel post paid.

Large Red Globe Grows to good size, rich red color with small neck; a fine keeper. Pkt., 5c; oz., 25c; ¼ lb., 90c; 1 lb., \$2.75; parcel post paid.

Mammoth Silver King An early large white, flat variety. Very mild and fine flavor. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.



White Velvet Okra



Prize Taker Onion

Plant 4 to 6 inches apart in 12 to 24-inch rows (except Potato Onions, which should be in 2-foot rows). Plant in spring or fall in fine rich soil, well manured.

Red Wethersfield Qt., 30c; gal., 85c; peck, \$1.35; parcel post paid.

White Silver Skin Qt., 35c; gal., \$1.00; peck, \$1.50; parcel post paid.

White Multiplier Sets Qt., 40c; gal., \$1.25; peck, \$2.00; parcel post paid.

Yellow Danvers Qt., 30c; gal., 85c; peck, \$1.35; parcel post paid.

Yellow Potato Onion Sets Qt., 40c; gal., \$1.25; peck, \$2.25; parcel post paid.

Prize Taker Very large and solid; skin rich yellow; flesh pure white, sweet, mild, tender. Pkt., 5c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.25; parcel post paid.

Southport White Globe Handsome globe-shaped bulbs; the flesh is firm, fine grained, of mild flavor; keeps well. Pkt., 5c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.

White Silver Skin Pure white; mild flavor; best for growing sets. Pkt., 5c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.25; parcel post paid.

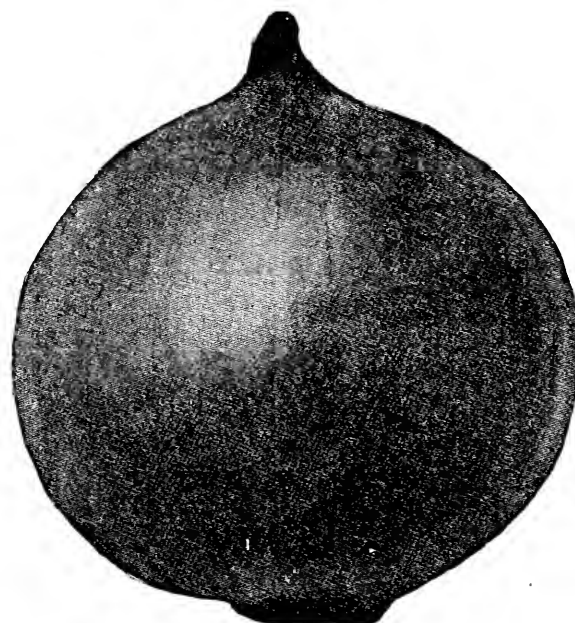
Yellow Globe Danvers Globe shaped; large; keeps well; a standard for main crop. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

PRICES ON ONION SETS BY THE BUSHEL

Account catalog going to press before spring market has been established, we are unable to quote onion sets by the bushel on this page. For current prices see Special Green Ink price sheet enclosed.

Onion Sets

Prices are subject to market fluctuations. When you want large quantities ask for market prices. Thirty-two pounds constitute a bushel.



Large Red Globe Onion

1920 Calendars

On receipt of five names of people in your community, who would be interested in receiving our Annual Seed Catalog, we will mail you one of our 1920 CALENDARS, which is very complete in every detail.

PEPPER

Culture One ounce will produce about 1,000 plants. For early plants, sow in hotbeds the latter part of January, and transplant to open after all danger of frost is over, in rows 3 feet apart, 15 to 18 inches apart in the rows. Cultivate well. Do not sow hot varieties near mild ones, as they mix very easily.

Bell, or Bull Nose A large early sort, of mild flavor. Plant is vigorous and compact, ripening the fruit uniformly. Fruits are large, with thick, mild flesh of excellent quality. Pkt., 5c; oz., 60c; ¼ lb., \$2.00; parcel post paid.

Burpee Sweet Upright Pepper Another new kind of excellent quality. Fruits grow upright instead of hanging. The color is very handsome green, turning to bright scarlet when ripe. Flesh thick, very mild and sweet. Pkt., 5c; oz., 60c; ¼ lb., \$2.00; parcel post paid.

Bird's Eye, or Creole Very hot; used for pepper vinegar. Pkt., 10c; oz., 70c; parcel post paid.

Chinese Giant Very large size, often measuring 6 inches in diameter. The plant is very dwarf, but vigorous, and a fair yielder, but late maturing. Fruit is brilliantly colored, mild and sweet. Pkt., 10c; oz., 75c; ¼ lb., \$2.25; parcel post paid.

Crimson Giant Very large, sweet pepper. It is a strong grower and much more productive than the Chinese Giant. Matures early. The flesh is thick, very mild and sweet. Pkt., 10c; oz., 75c; ¼ lb., \$2.25; parcel post paid.

Large Sweet Spanish A late maturing and attractive red, sweet pepper. The plants are about two and one-half feet high, upright, very compact, vigorous and productive. The fruits are very large and long, frequently seven inches in length and about two inches in diameter, with very thick, mild flesh of excellent quality. The color is deep green when fruit is young, rich red when ripe. Pkt., 5c; oz., 60c; ¼ lb., \$2.00 parcel post paid.



Long Red Cayenne A well known medium early variety, with extremely strong and pungent flesh. Bears long slender twisted pods, bright red when ripe. Pkt., 5c; oz., 50c; ¼ lb., \$1.75; parcel post paid.

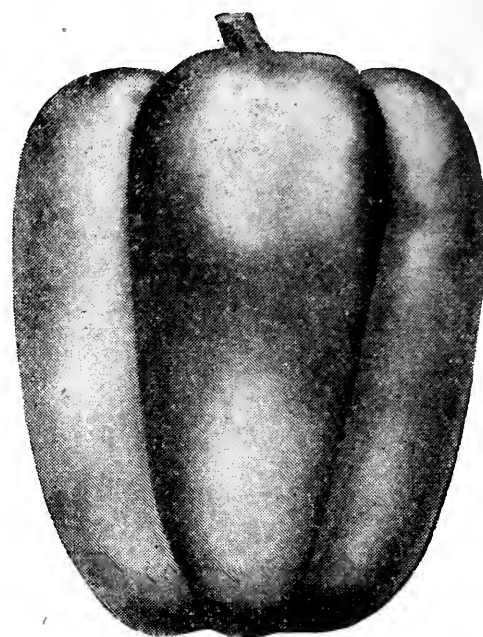
Pimento Pepper A delicious variety, most all meat. Very mild and of elegant flavor. Requires rich soil and plenty of moisture to make fruits grow to perfection. Pkt., 10c; oz., 60c; ¼ lb., \$2.00; parcel post paid.

Red Cherry Small round, very hot. Pkt., 10c; oz., 70c; parcel post paid.

Red Chili Small and very pungent; used for chili sauce. Pkt., 10c; oz., 60c; parcel post paid.

Ruby King A fine variety, very large and attractive. Plant grows to about 2½ feet high, is vigorous and productive. Fruits are 4 to 5 inches long, bright red when ripe. One of the best for mangoes or stuffed peppers. Pkt., 5c; oz., 60c; ¼ lb., \$2.00; parcel post paid.

Tobasco Very pungent and strong; a splendid cropper. Pkt., 10c; oz., 70c; parcel post paid.



Chinese Giant Pepper

IMPORTANT—Special Notice

Deduct 10c on pound prices quoted parcel post paid in our catalog if you order goods shipped by express or freight.

PUMPKINS

Culture The Pumpkin under good care bears abundantly, and furnishes a great amount of palatable food for cows, pigs, etc. Several of the fine flesh varieties are also used for culinary purposes. They may be grown as a field crop. Plant in hills 8 feet apart each way, and any time after the first of May. Avoid planting near other vine crops, as they will hybridize and damage that crop. One ounce will plant about 25 hills, 4 pounds to the acre.

Connecticut Field A large yellow variety, hard shell, excellent for field culture. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

Cushaw Very productive, good for table and stock feeding. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

Japanese Pie The flesh is very thick, nearly solid; the seed cavity being very small in one end of the pumpkin; fine grained, dry and sweet. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Kentucky Yellow Field A large variety of good quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; parcel post paid.

King of the Mammoth Of extraordinary large size; good for growing for prizes; skin is orange colored, with bright yellow flesh of fine quality. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00; parcel post paid.

Tennessee Sweet Potato Of medium size, creamy white, with light green stripes and fine grained, brittle flesh. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

For prices on
Pepper Plants,
see page 2.



Kentucky Yellow Field Pumpkin

READ THIS SPECIAL NOTICE—Fruit Trees are in short supply. Many varieties will run out before the season is half over. We shall, unless you instruct otherwise, send the nearest thing in stock, using only varieties that we know to be well adapted to your section and as near the season wanted as possible. If you do not wish us to substitute be sure to advise us accordingly.

PARSLEY

Culture Soak the seed in warm water for several hours, and sow in border or frame; thin the row or transplant to another bed. If to be carried late into the fall, set eight inches apart both ways, and cover with litter. It will go through the winter with moderate protection. Use one ounce of seed to 150 feet of drill. Make open ground sowing in April.

Double Curled Compact, very curly and finely cut; bright green color. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.25; parcel post paid.

Plain, or Single Leaves are flat, deeply cut, and dark green. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00; parcel post paid.

PARSNIPS

Culture Sow as early in the spring as the ground can be worked, in drills 18 inches apart. Only rich soil should be used and the ground should be thoroughly and deeply cultivated before sowing seed. Thin to 6 or 8 inches apart in the rows. Hoe and cultivate frequently to keep the weeds down.

Long Smooth Roots very long, sugary and of most excellent flavor; very hardy. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50; parcel post paid.

Sugar or Hollow Crown The best for table use; a vegetable of merit, easily raised and of great productiveness. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50; parcel post paid.

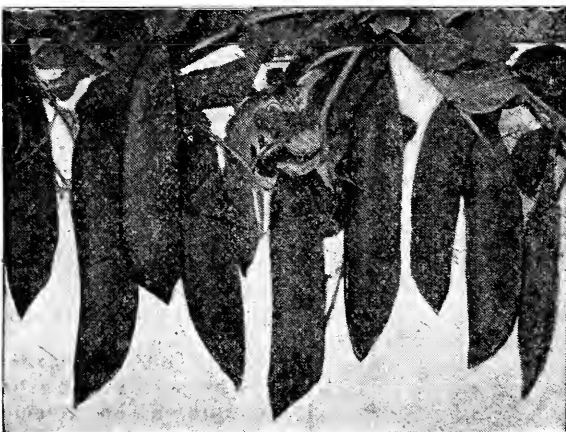
PEAS, GARDEN

Culture The pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later and on somewhat heavier soil. Sow Peas in drills about 2 to 3 inches deep; in rows $2\frac{1}{2}$ to $3\frac{1}{2}$ feet apart. In garden culture sow in double rows 10 inches apart. One quart will sow 100 feet of drill. Avoid fresh manure or very rich soil or too rank vine growth will result. All wrinkled varieties are marked.* These should not be planted until March.

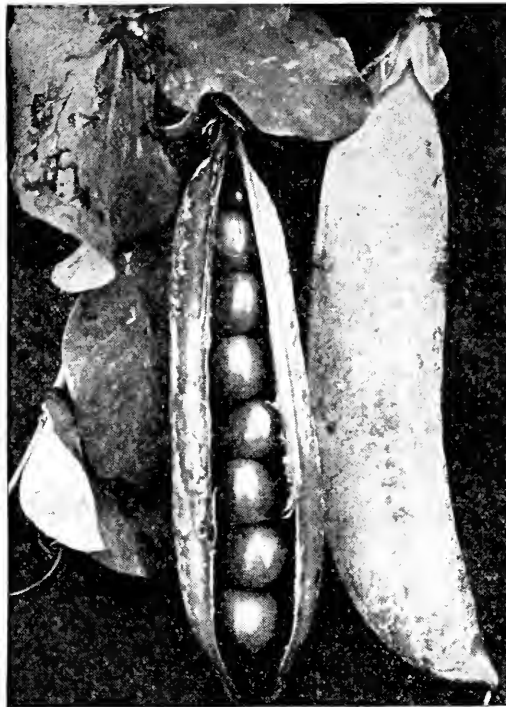
Alaska The earliest of all the extra early sorts; vines about 2 feet in height. The pod is about 3 inches long, well filled with uniformly round peas. Very profitable as an early market pea. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.65; parcel post paid. Not prepaid— $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.50.

Ameer A new and valuable strain of the popular Alaska Pea, the distinctive superiority being that it makes much larger pods and is more prolific. The vines grow 24 inches. Pkt., 10c; $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 70c; 4 qts., \$2.15; parcel post paid. Not prepaid— $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.00.

***American Wonder** A leading dwarf wrinkled Pea. Esteemed for earliness, productiveness, flavor and quality; strong and robust in habit, growing about 10 inches high, and produces a profusion of good-sized pods, which are fairly packed with the finest flavored Peas. Has always been a great favorite for the home garden. Pkt., 10c; $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 75c; 4 qts., \$2.40; parcel post paid. Not prepaid— $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 65c; 4 qts., \$2.25.



Heckle's Market Master Peas



Alaska Peas

the market gardener, canner or in the kitchen garden. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.65; parcel post paid. Not prepaid— $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.50.

Leader An extra early pea; produces large, well filled pods of luscious peas. Vines $2\frac{1}{2}$ to 3 feet in height. Pods as large as the Telephone, containing 6 to 10 peas of large size. Pkt., 10c; $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 70c; 4 qts., \$2.15; parcel post paid. Not prepaid— $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.00.



Curled Parsley

***Champion of England** A very productive variety, universally admitted to be one of the richest and best flavored of the late Peas. Pods large, about three inches long. The seed is light green, wrinkled and very desirable for home use and especially recommended for market gardeners. Profuse bearer. Very much superior in flavor to the Marrowfat Peas. Pkt., 10c; $\frac{1}{2}$ pt., 25c; pt., 40c; qt., 75c; 4 qts., \$2.40; parcel post paid. Not prepaid— $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 65c; 4 qts., \$2.25.

First and Best A popular, extra early Pea, producing good crops and satisfactory in nearly all sections. Vines $2\frac{1}{2}$ feet high, producing pods 3 to $3\frac{1}{2}$ inches long. Sold under the name of Philadelphia Extra Early, Improved Daniel O'Rourke, Rural New Yorker, Extra Early Kent and a dozen other similar names. Pkt., 10c; $\frac{1}{2}$ pt., 20c; pt., 35c; qt., 50c; 4 qts., \$1.60; parcel post paid. Not prepaid— $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c; 4 qts., \$1.50.

Heckle's Market Master

None of the numerous extra earlies compare with this extraordinary early variety in length of pod, number of peas in a pod, or number of pods to the vine. Many single plants yield 40 to 50 fully developed peas as the result of one seed sown. The quality is the very best, one of the sweetest and finest flavored of the earliest smooth varieties. Vines grow about 30 inches in height. This sort is the most satisfactory extra early pea that can be sown either by

Amateur's Garden Guide

Special planting instructions for sowing all kinds of vegetables and flower seeds, setting fruit trees, roses, strawberry plants, sowing grasses and clover seeds, supplied free with orders. This is a booklet, full of information. Don't fail to get a copy.

Prices on all garden peas by peck and bushel are quoted on Special Green Ink Price Sheet enclosed.

PEAS, GARDEN—Continued

***Gradus, or Prosperity** This popular large-podded, wrinkled pea of the finest quality, matures pods only two or three days later than the small-podded, round-seeded extra earlies. The vine has heavy stems with light green leaves, and grows three feet high. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 70c; 4 qts., \$2.15; parcel post paid. Not prepaid—½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.00.

***Mammoth Pod Extra Early** A popular variety for home or market. An extra early pea, which produces large, well-filled pods of luscious peas. Vines 2½ to 3 feet in height. Pods as large as the Telephone, containing 6 to 10 peas of large size. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.10; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$2.00.

***Mammoth Melting Sugar Peas** Large edible pods. Height, 42 to 48 inches. Pods 4 to 5 inches long, and are entirely stringless, very tender. Pkt., 15c; ½ pt., 30c; pt., 50c; qt., 90c; parcel post paid. Not prepaid—½ pt., 25c; pt., 45c; qt., 85c.

***McLean's Little Gem** The best and most popular dwarf, wrinkled variety, especially with market gardeners. Grows about 15 inches high and bears good sized pods, which are filled with 6 to 8 peas of especially fine, sweet flavor. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 75c; 4 qts., \$2.40; parcel post paid. Not prepaid—½ pt., 20c; pt., 35c; qt., 65c; 4 qts., \$2.25.

Large Black Eye Marrowfat A large, tall growing, late maturing variety that will furnish more pickings and stay green longer than any other variety. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 40c; 4 qts., \$1.00; parcel post paid. Not prepaid—½ pt., 10c; qt., 30c; 4 qts., 85c.

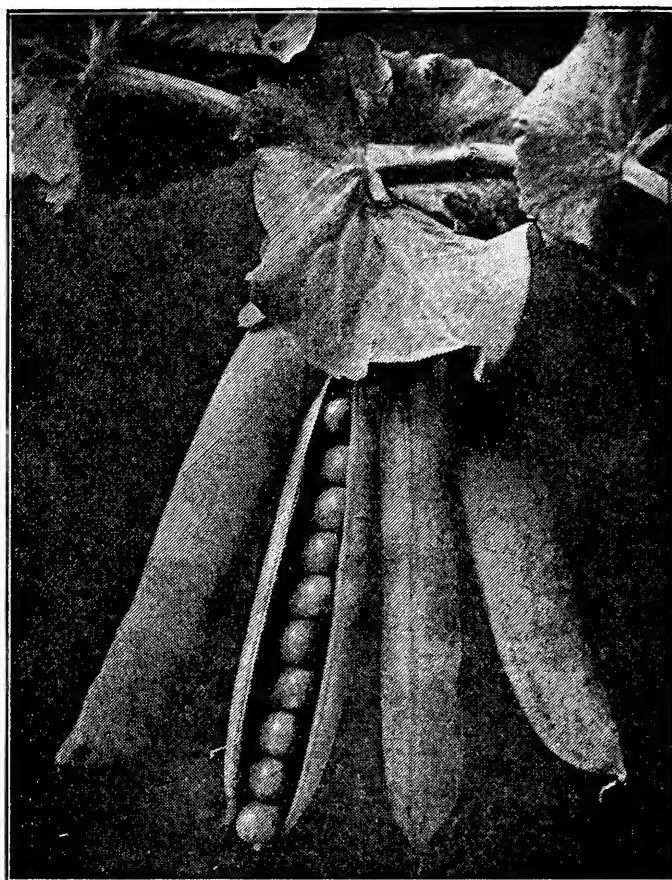
Large White Marrowfat This is a late Pea, hardy, very hardy and vigorous grower. The pods are of good size and usually contain five or six peas of good quality, but not of as high flavor as the regular garden peas. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 40c; 4 qts., \$1.00; parcel post paid. Not prepaid—½ pt., 10c; qt., 30c; 4 qts., 85c.

***Pilot** The Pilot is far and away ahead of all other early round-seeded first-early peas. The pods and peas are nearly as large as those of Gradus, while they are produced three days earlier—as early as the best selected small, smooth-seeded extra-earlies. They can be planted, of course, much earlier than Gradus, and while not wrinkled, the peas are almost equal in flavor. The vines of vigorous growth, attain a height of three feet. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.60; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.50.

***Potlach or Big Dinner** Strong, vigorous vines of even growth, 20 to 24 inches in height, with luxuriant dark foliage, bearing pods medium green in color, 3½ to 4 inches in length. Fit for table use 61 days after planting. Seed green, wrinkled, large in size. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.60; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.50.

***Pride of the Market** One of the largest podded of the dwarf peas. Matures medium early and is of a delicious flavor. A grand pea for early market or home use. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.10; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$2.00.

***Sutton's Dwarf Defiance** Pea growers cannot afford to overlook this splendid main crop success; it is a money-maker without a superior, a grand second early, no better on the market. The vines are vigorous and require no brushing, the pods are dark green color and immense in size and fullness, like "Telephone," they have no superiors in quality, and will bear comparison with any tall sorts; the handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.65; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.50.

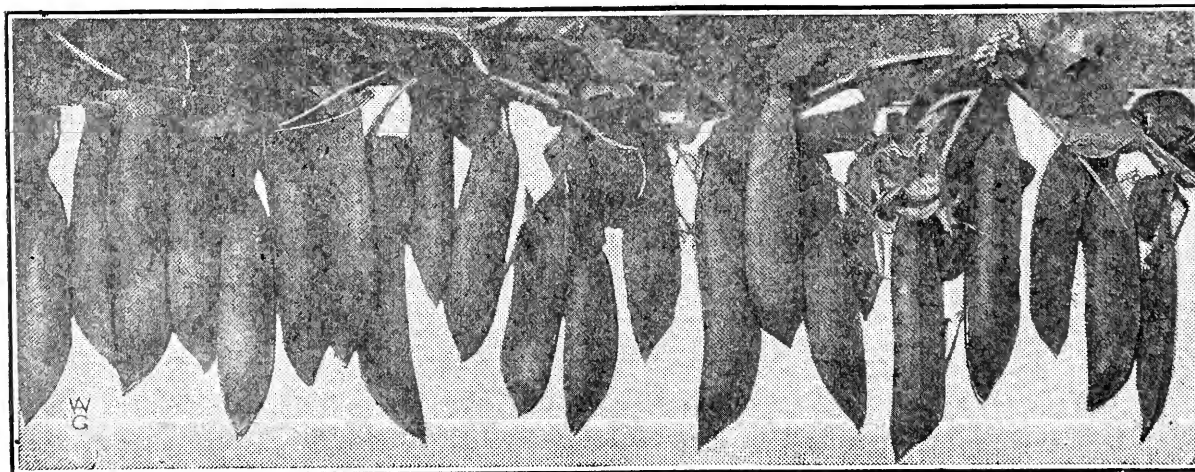


Mammoth Pod Extra Early Peas

***Sutton's Excelsior** The best of the dwarf varieties. The vine is of more vigorous growth than the Nott's Excelsior, a little taller, fully as productive and matures its crop nearly as early, while both pods and peas are decidedly larger. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$1.65; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$1.50.

***Telephone** This has become the leading pea with market gardeners whose trade appreciates fine appearance and high quality. The vines are tall and vigorous, growing about four feet high, with large, coarse, light colored leaves and producing an abundance of pointed pods of largest size, often four and one-half to five inches long, attractive bright green, filled with very large peas which are tender, sweet and of excellent flavor. It comes into use soon after the Premium Gem and is one of the best sorts for either home or market. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 70c; 4 qts., \$2.40; parcel post paid. Not prepaid—½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.25.

World's Record A new large podded early wrinkled Pea of great promise. The vines are extremely vigorous, growing 15 to 18 inches high, dark green and produce a wonderful crop of dark green pods which are filled with big Peas of delicious flavor. It is one of the earliest wrinkled peas, coming about the same season as Gradus, but a heavier cropper. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; 4 qts., \$2.10; parcel post paid. Not prepaid—½ pt., 15c; pt., 25c; qt., 50c; 4 qts., \$2.00.



Telephone Peas

FIELD PEAS

Canada Field. — Valuable for soiling purposes. Sow at the rate of two to three bushels per acre; also sow with oats for green feed; are now quite extensively used for this purpose. Pkt., 10c; ½ pt., 15c; pt., 20c; qt., 35c; 4 qts., 90c; parcel post paid. Not prepaid—½ pt., 10c; pt., 15c; qt., 20c; 4 qts., 65c.

Prices on all garden peas by peck and bushel are quoted on Special Green Ink Price Sheet enclosed.

POTATOES

All well-posted growers and authorities on potatoes recognize the necessity of changing the seed often, especially when new stock can be had at such a small additional expense. Our potatoes are especially grown for seed purposes. You run no risk in buying them with the full confidence that they are the best obtainable.

Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches and make rows 3 feet apart: cover eyes 2 inches; plant in February, March and April for early crops.

Use plenty of well rotted manure with either Armour's Truck Guano or Cotton Seed Meal; this should be put down in the furrow and then throw a little dirt on the top of it. Do not let the potatoes come in contact with the fertilizer, as they will be very liable to rot. Keep well cultivated. One peck will plant 125 feet of row; 7 to 10 bushels will plant an acre, depending on the size of the seed.

On account of market fluctuations we are unable to name exact prices. Will be pleased to have you write during the month of February or later; will then quote prices for prompt or future shipment. All prices quoted are F. O. B. Memphis, excepting where quoted parcel post paid.

Bliss Early Red Triumph Extremely prolific and extra early. Color, beautiful light red, medium size. Growth very uniform, nearly round. Flesh white; mealy when cooked. This potato is in exceedingly high favor on account of its earliness and productiveness. Eyes slightly depressed, skin smooth. Its beauty, quality, extreme earliness and great productiveness make it very profitable. Price, Northern Red Triumphs, peck, \$1.00, by express only. Tennessee 2nd Crop Red Triumphs, peck, \$1.25, by express only.

Irish Cobbler, Maine Grown This is a most excellent variety for both Northern and Southern planting. A large potato, round and slightly flattened; flesh white and cooks dry and floury. An excellent variety for both early and late planting. A good keeper, heavy yielder and possibly the most popular of all early and late varieties. Selected stock. Price, Northern Grown Irish Cobblers, peck, \$1.00, by express only. Price, Tennessee 2nd Crop Irish Cobblers, peck, \$1.25, by express only.

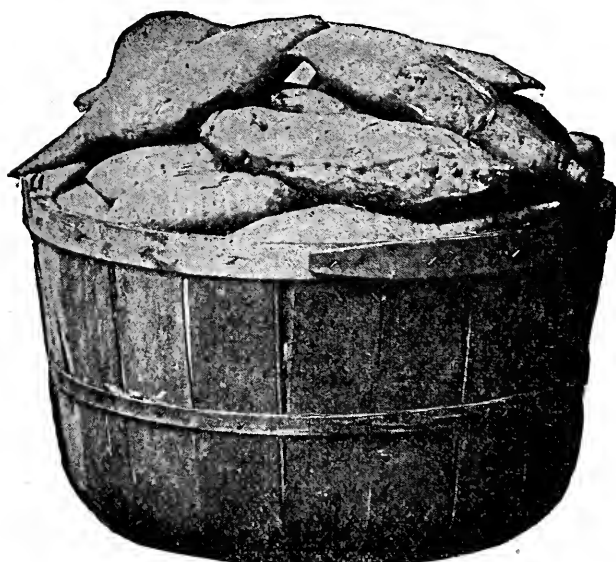
Early Ohio A standard early potato and a good one. Does well in all soils; is very early, oval in shape, has pink skin and shallow eyes. It is a splendid keeper and is very largely planted in the South for shipping to Northern markets. Price, Northern Grown Stock, peck, \$1.00.

Burbank A late main crop variety of fine quality. It is an oblong potato; grows to good size and is a good yielder. Good for heavy soils. Northern Grown. Price, peck, \$1.00.

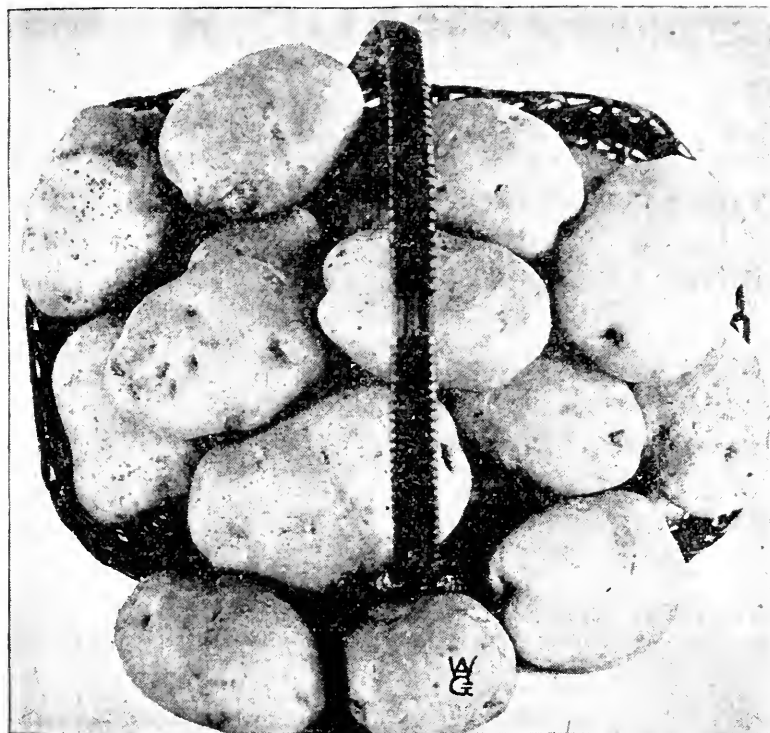
Early Rose This old-time variety is still very popular. It is a long potato and pink in color at the bud end. Grows to a good size, yields well and is of fine quality. Northern Grown Seed. Price, peck, 90c.

Cold Storage Potatoes

We will have Lookout Mountain, Red Triumph and Irish Cobbler Seed Potatoes in cold storage for late planting, in July and August. Write for prices in June and July.



Nancy Hall Sweet Potatoes



Bliss Early Red Triumph Potatoes

Lookout Mountain Very prolific, late; long keeping variety, for planting in June; grows large tubers, pure white; smooth, of good quality. No other variety stands our hot climate as well. We book orders now for shipments first of June. By express, peck, \$1.25.

SEED SWEET POTATOES

Culture Sweet Potatoes should be started in a hotbed. When the ground is warm and the danger of frost is past the shoots are carefully lifted and planted in rows 3 feet apart and 18 inches in the row. They need considerable care till well started, but after getting a good start will grow easily. They should be cultivated quite often, moving the vines to prevent from rooting at the joints. They must be harvested before frost. One bushel makes 2,000 to 3,000 plants.

All quotations here given, are packed F. O. B. Memphis. Purchaser must pay carrying charges. Prices subject to market changes, and sold at the rate of 45 lbs. to the bushel.

Bunch Yellow Yam Finest quality yellow skin and flesh. Vine of bushy habit. Price, peck, \$1.00, by express only.

Nancy Hall Skin yellow; meat, which is clear, amber color, is as sweet as honey. Price, peck, \$1.00; by express only.

Gold Coin Bunch Yam Dark yellow flesh; matures early. Price, peck, 90c; by express only.

Porto Rico Yam This is a new Sweet Potato and a good one. The skin is golden color, with a slight pinkish tinge. Meat deep orange yellow, soft and sweet, tubers long and smooth; a very desirable shape. Price, peck, \$1.00; by express only.

Genuine Yellow Yam The old reliable running yam; deep yellow; flesh cooks soft. Price, peck, \$1.25, by express only.

Early Triumph Sweet Potato Flesh bright light yellow, of good size, very prolific and three weeks earlier than any other variety; very large, smooth skin, cooks soft; vine running. Price, peck, \$1.25; by express only.

SWEET POTATO PLANTS

Our Sweet Potato Plants or slips have been sold for many years in all parts of the country, with unvarying success, and we use unusual care in the packing of these plants in order that they may carry the longest distances. The roots are carefully wrapped in damp moss. We have hundreds of letters telling us that our sweet potato plants are the best that our customers ever bought.

We can furnish the following varieties, plants ready April 15th. They are put up in bunches of 100 each. We do not break the bunches.

Bunch Yellow Yam.
Gold Coin Bunch Yam.
Nancy Hall.
Florida Yam.

Early Triumph.
Porto Rico Yam.
Yellow Yam.
Dooley Yam.

Price, any variety, by parcel post—100, 60c; 500, \$2.25; 1,000, \$4.35; 5,000, \$16.50. Price, any variety, by express, at buyer's expense—100, 40c; 500, \$2.00; 1,000, \$4.00; 5,000, \$15.00.

Prices: Account catalog going to press before market has been established on potatoes, we are unable to quote quantity prices on this page. For current prices, see Special Green Ink Price Sheet enclosed.

RADISH

To be tender and crisp, radishes must be grown quickly, and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about 10 days in a light, rich, deeply worked soil. Can also be forced in hotbeds. For fall and winter sow in August and September. One ounce sows fifty feet.

California Mammoth White Winter Is really a Chinese Radish. Flesh white and of excellent flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

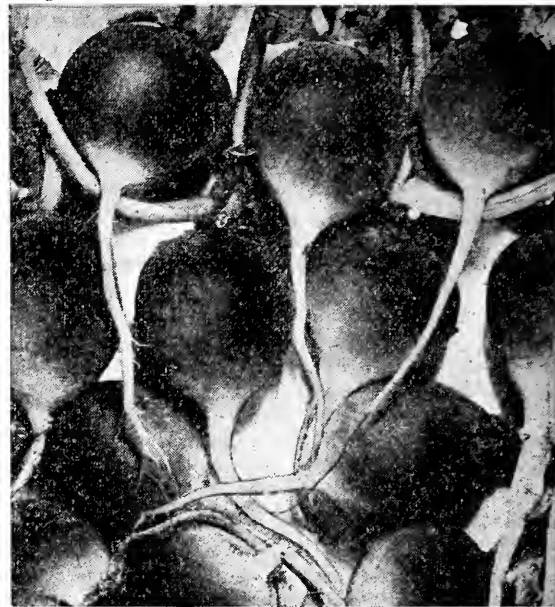
Chartier Improved Shape long, but thicker than the Long Scarlet; color bright scarlet at top, shading to white at the bottom; is of remarkably fine quality, keeping crisp, sweet and tender until it is an inch or more in diameter. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

China Rose Winter One of the very best for fall and winter use, bright rose color, flesh white and firm, superior quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.15; parcel post paid.

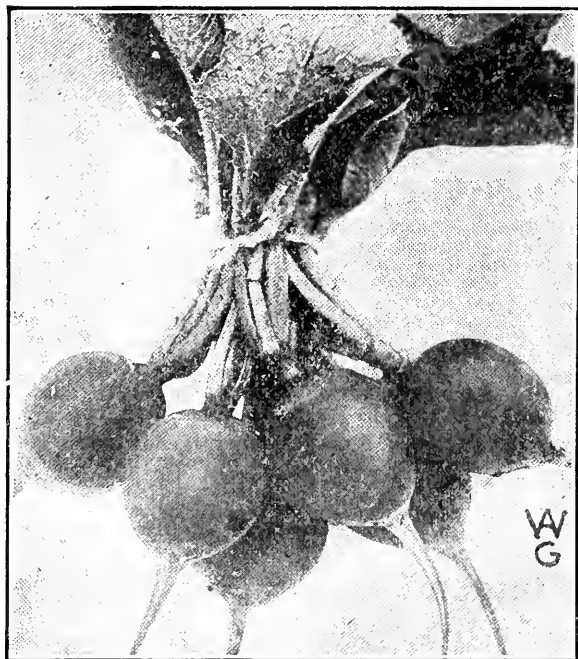
Cincinnati Market Very similar to Early Long Scarlet Short Top Improved, but deeper red in color and remains in condition for use longer. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.10; parcel post paid.

Cooper's Sparkler This radish is an improved type of the Scarlet Turnip White Tip and is superior to the original. The top half is beautiful scarlet, the bottom half clear white. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

Crimson Globe A large globe-shaped variety. Handsome deep scarlet; thin skin, solid white flesh of best quality. Attains a large size without becoming pithy or losing its crispness. An excellent variety. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.



Cooper's Sparkler Radishes



Crimson Globe Radishes

Early Scarlet Turnip A very early, small, round Radish; entire Radish is of a rich scarlet color. This splendid variety has always been a great favorite with market gardeners and for kitchen garden alike. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.10; parcel post paid.

Early Scarlet Turnip White Tip Market gardeners' favorite Radish for outdoor planting. A very desirable one for the home garden. It is an early maturing variety, only a little later than the forcing strain. Turnip-shaped; handsome scarlet in color, with a distinct white tip. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.10.

Early Long Scarlet Short Top Early, very short top, splendid shape and color, fine keeper; good for market. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.10; parcel post paid.

Early White Turnip Both skin and flesh of pure white; it does not become pithy. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.10; parcel post paid.

Early French Breakfast A very popular French variety of very rapid growth, and one of the best varieties for early forcing; its form is oval; color scarlet tipped with white, and small in size. It is also a beautiful variety for garnishing purposes. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

Half Long Scarlet Brittle and juicy, bright scarlet, half long. Pkt. 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

Icicle Long, slender, pure white, the earliest and finest long, white radish. It is ready for use fully as early as the Long Scarlet Short Top, with less foliage; most desirable for forcing. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.10; parcel post paid.

Long Black Spanish Winter Like the above, but the roots are longer and somewhat milder in flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

Model White Box The best early white Turnip Radish. Flesh is white and firm. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

Nerima Japanese Radish Snowy white color, fine sweet flavor, hardy, and a good keeper.

Sakurashima Mammoth Japanese Radish The largest sort in cultivation—monster—round in shape; some grow to more than 30 pounds. Is solid and of good flavor and exceedingly crisp and tender.

Price either variety of the Japanese Radishes, large pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

Round Black Spanish Winter This is a large, black-skinned radish, flesh white and firm; a good keeper. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

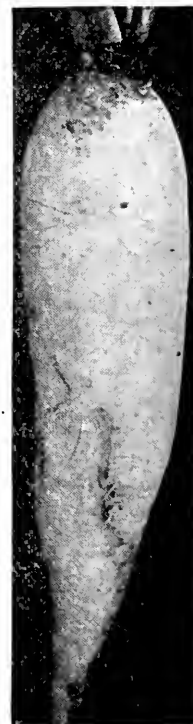
Scarlet Button Radish Bright red, crisp, tender and mild. Makes radish in 16 to 18 days. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

RHUBARB

Culture Rhubarb succeeds best in deep, somewhat retentive soil. The richer its condition and the deeper it is stirred the better. Sow in drills about an inch deep, and thin out the plants to six inches apart. In the fall transplant the young plants into very highly manured and deeply stirred soil, setting them four to six feet apart each way, and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed.

Myatt's Victoria The best variety for the South. Pkt., 5c; oz., 25c.

Rhubarb Roots Strong two-year-old roots. Each, 25c; 5 for \$1.00; 12 for \$1.80, parcel post paid. By express, each, 15c; 12 for \$1.50. One-year roots, each, 15c; 12 for \$1.25; parcel post paid. By express, each, 10c; 12 for \$1.00.



White Icicle Radish

SALSIFY, OR OYSTER PLANT

Culture One ounce is sufficient for 75 feet of drill; 5 to 6 lbs. to acre. Plant usually latter part of March, in rows from 2 to 2½ feet apart, thinning later to about 4 inches in the row. Does best in very rich soil.

Mammoth Sandwich Island Large and strong growing, with smooth, white tapering roots of delicate but distinct flavor. Prices, pkt., 5c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00; parcel post paid.

SORREL

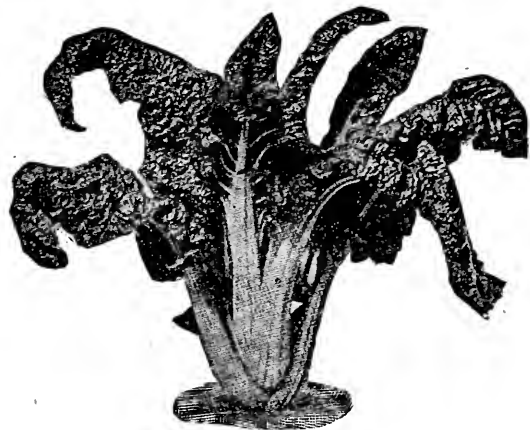
Valuable for its acid properties; mixed with salads, it imparts an agreeable and refreshing flavor. Sow in shallow drills 12 inches apart, and thin out the young plants to 6 inches.

Large Leaved French Pkt., 10c; 1 oz., 35c; ¼ lb., \$1.00; parcel post paid.

SPINACH

One ounce to 60 feet of drill; 8 to 10 pounds to the acre. For an early summer crop sow early in the spring, in drills 1 foot apart, and thin out to 2 inches in the row. For winter and early spring crop sow either broadcast or in drills about the first of September or later.

Bloomsdale Curled Savoy A most valuable variety. In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. It produces nearly twice the bulk of crop as the ordinary



Swiss Chard

Boston Marrow This variety is popular for autumn and winter use; its color is a bright orange; flesh yellow, rich and sweet. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Cocozelle, or Italian Squash Grows large, oblong shape, dark green color at first, but when ripe is marbled with light green and yellow stripes. When sliced and fried in oil it is a vegetable delicacy superior to egg plant. This is an excellent squash and should be in every garden. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.90; parcel post paid.

Early White Bush The well-known White Scalloped or Patty Pan Squash. Early, very productive, of light cream color. Popular for Northern shipments for both fall and spring crops. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Early Yellow Summer Crookneck An old stand by; always a favorite in both home and market gardens. Fruits rather small; of bright orange color. Flavor very rich and buttery, the richest of all summer squashes. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Gregory's Delicious A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

Hubbard The standard winter squash, no better variety grown. Flesh fine grained; dry and of excellent flavor. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Mammoth White Bush Is nearly double the size of Early White Bush—Patty Pan—very uniform in size, prolific and fine quality; grows to 12 inches in diameter. O. K. for home garden or shipping. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

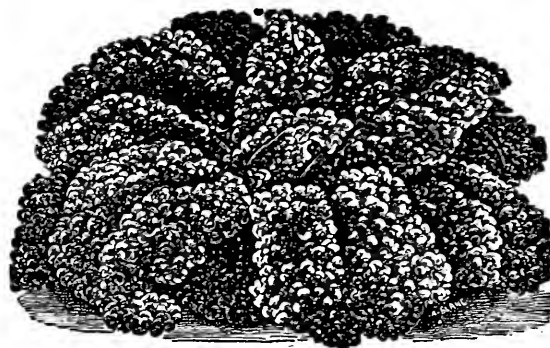
TOBACCO

Culture The seed should be sown on a well-prepared seed bed in the spring and a piece of canvas stretched across the top to protect it against the weather. When plants are about 6 inches high, set out two feet apart in rows 3 feet apart; spray with paris green to keep the insects off.

We have two varieties best suited to this section—HAVANA and KENTUCKY WHITE BURLEY. Price, either variety, per packet, 10c; ounce, 40c; parcel post paid.

IMPORTANT—SPECIAL NOTICE.

Deduct 10c on pound prices quoted parcel post paid in our catalog, if you order goods shipped by express or freight.



Bloomsdale Spinach

sort, is fully as hardy, and in all other respects equal. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; parcel post paid.

Broad Leaved Flanders One of the most vigorous and strong growing varieties. The leaves are nearly round, uniformly deep green, quite thick. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Long Standing An improved strain of excellent merit, having all the good qualities of the ordinary sorts; but is especially desirable because of the fact that it is much later in going to seed than the average variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; parcel post paid.

New Zealand Spinach This is not a spinach of the ordinary kind, but a plant of branching growth. One single plant will grow to dimensions of six feet across producing an abundance of thick, fleshy, juicy stems and leaves, which make an excellent Spinach. The flavor is particularly fine, and the fact that it does very well throughout the hottest summer makes it all the more desirable. Thrives in any soil. Cut leaves or shoots during entire summer. Plant in hills 2 feet apart each way, 3 or 4 seeds to a hill. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

SWISS CHARD, or SILVER BEET

Used for greens only. Until recently but little used in this country, but for the last few years has rapidly increased in favor. Much superior to other beets for greens. Of very rank growth; plants should be thinned to about one foot apart. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

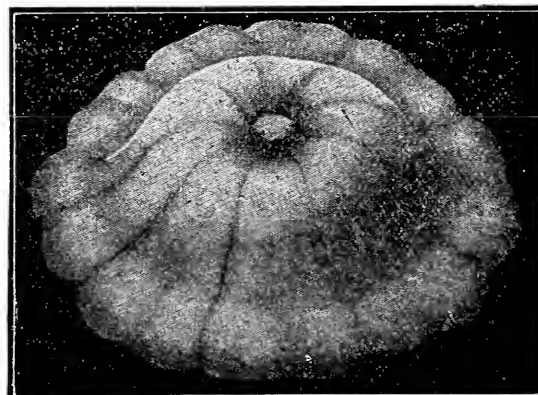
SQUASH

Culture After danger of frost is past, plant in a warm, well pulverized, rich soil, mixing well rotted manure with the soil in each hill. Plant 8 or 10 seeds to the hill; the bush varieties 4 to 6 feet apart, the running sorts 8 to 10 feet.

Fordhook It ripens early, is of splendid quality; can be stored all through the winter. It is prolific with very hard rind. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

Giant Summer Crookneck Squash In our Giant Crookneck we have a variety containing all of the good qualities of the Crookneck class and at the same time giving double the size of the Old Yellow Summer Crookneck. For market gardeners it is especially desirable. Like the Mammoth White Bush, it is too large to ship. With this variety you can get double the yield from the same area that you do with the other sorts. We recommend it without reserve to our customers. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Golden Custard This is very much like the White Bush except the color. It matures early, meat is rich yellow, fine and sweet. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.



Mammoth White Bush Squash

TOMATOES

OUR TOMATO SEED IS UNEXCELLED

Culture The seed should be sown in March in a hotbed or greenhouse, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. They should be hardened before planting outside. About the middle of May the plants may be set in the open ground from 4 to 5 feet apart each way. One ounce produces about 1,500 plants.

To prevent rot and blight on tomato plants spray with Bordeaux mixture when first fruits have set.

Don't set your plants out too soon. Plants put out the first part of June do better than early setting.

Early Acme Medium in size, round, smooth, solid and prolific. Purplish pink in color. Stands shipment very well; also splendid for home use. It is one of the best sorts you can plant during the summer months. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00; parcel post paid.

Beefsteak This valuable new Tomato was introduced by Peter Henderson. It is of remarkable size, frequently weighing a pound or more. Color, brightest crimson scarlet; very solid, with few seeds, and ripens evenly to the stem. Very productive and early, considering its size. Pkt., 10c; oz., 60c; ¼ lb., \$1.50; 1 lb., \$4.75; parcel post paid.

Burpee's "Dwarf Giant" The tomato that won't blight; it is much the largest fruited of all dwarf tomatoes. The color is a rich purple crimson and the depth of color is maintained throughout the season. Pkt., 10c; oz., 60c; ¼ lb., \$1.50; 1 lb., \$4.50; parcel post paid.

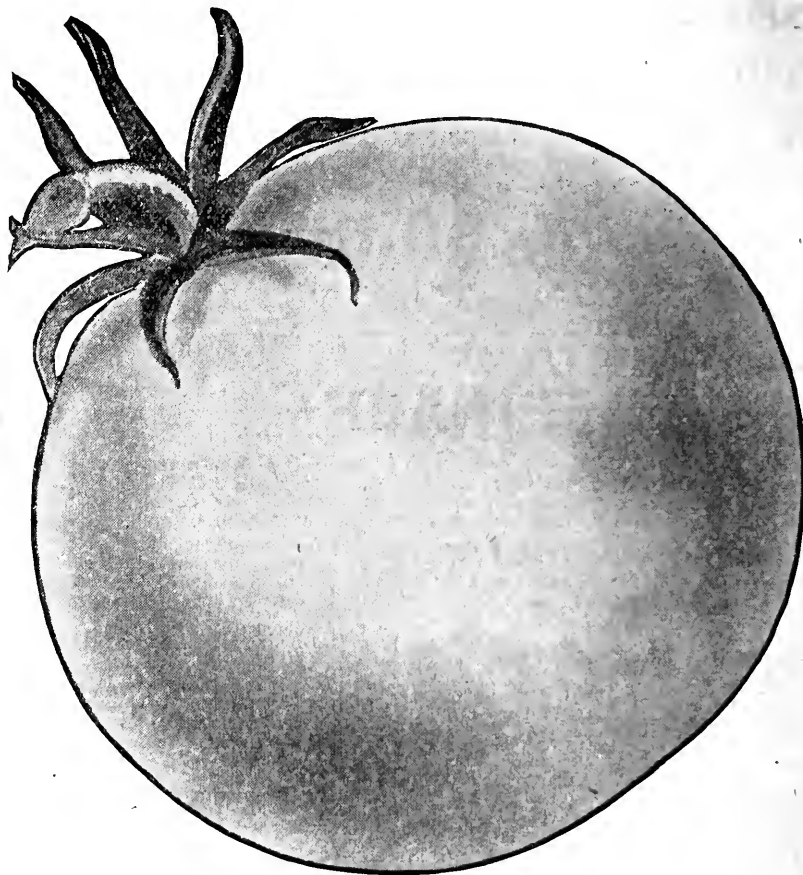
Beauty Vines large, vigorous and heavy bearers; fruit large, uniform in size, very smooth, and excellent flavor; color purplish pink. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$2.75; parcel post paid.

Early Detroit The largest and best of the early purplish tomatoes. Largely grown throughout the South. Fruits very smooth, nearly globe-shaped, firm and of excellent quality. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00; parcel post paid.

Earliana One of the earliest varieties; bright red and smooth; very productive. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.

Fordhook First This is one of the very first large tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good first size. The color is purplish crimson, similar to Acme. Flesh is very thick, firm and solid, with few seeds. Good shipper, does not crack. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50; parcel post paid.

Livingston's Globe Is an extra good all-around sort, of a distinct globe shape, with quite a large percentage of elongated fruits, on account of its shape, one that permits of a great number of slices to be made from each fruit. We class it with the first earlies, both in greenhouses as well as in the field. The fruits are of large size, and a good marketable size is retained throughout the season. It is always smooth, of firm



Livingston's Globe Tomato

flesh and few seeds; ripens evenly; color, a fine glossy rose, tinged with purple, and without the slightest tinge of yellow at any stage of ripening. It is an exceedingly productive variety. In quality there is nothing more to be desired, being mild, pleasant and of delicious flavor. There is no better variety for greenhouse growing or for early growing on stakes or trellises. Its blight-proof qualities are remarkable. May be picked quite green, will carry to distant markets in excellent shape and ripen up uniformly. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50; parcel post paid.

The Matchless For a first-class, general crop tomato for all purposes, there is none equal to our Matchless. It follows such varieties as Livingston's Beauty; but stays with you all summer, its dense, heavy foliage protecting the fruit from mid-summer sun. It is large, smooth and of very rich red color. Almost solid meat with very little core and small seed spaces. A strong, vigorous grower and fruits heavily, the large size holding up to the end of the season. Fine for either home use or market and unexcelled for canning. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00; parcel post paid.

McGee A wonderful tomato, both as to yield and quality. This superfine variety was introduced in the South a few years ago. It is one of the most prolific bearers we have ever seen. The average weight of the tomato is about half a pound. The color is bright crimson, very solid, and of good flavor, producing few seeds and small cavities. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00; parcel post paid.

Premier One of the earliest varieties; is very smooth, of good size; bright red color; ripens uniformly. A money-maker as an early tomato. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50; parcel post paid.

Peach Fruits one and a half inches in diameter. The skin is covered with a slight bloom or pubescence, as in a peach, and of beautiful coloring. Pkt., 10c; oz., 50c; ¼ lb., \$1.25; parcel post paid.

TREAT 'EM RIGHT

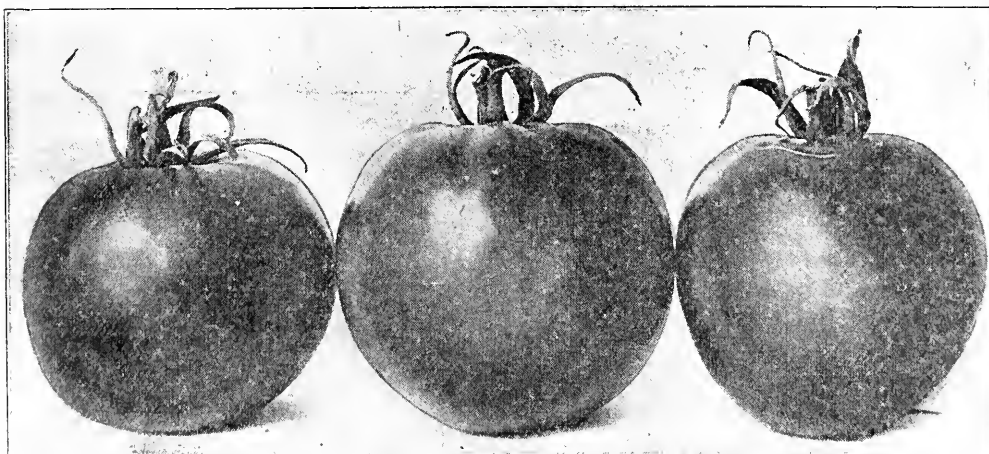
May 5, 1919.

Gentlemen:

Plants received today in fine shape.
Find enclosed balance due you.

Signed,

G. L. STANCIL.

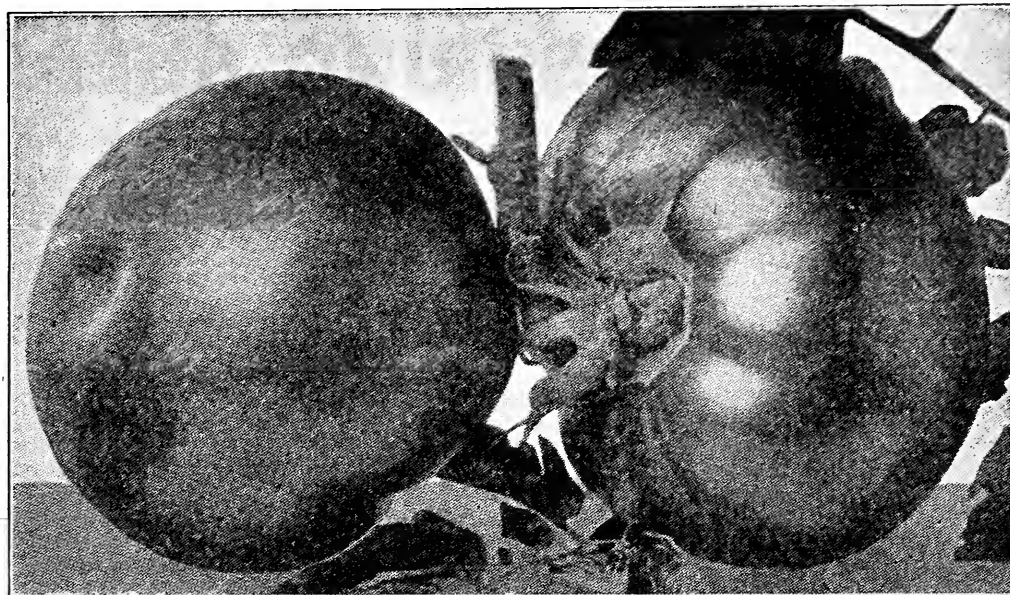


Early Detroit Tomatoes

TOMATOES—Cont'd

Ponderosa It is in every way splendid. It excels in magnificent size, often attaining a circumference of 18 inches, frequently weighing 2, 3 and 4 pounds each, perfect in form, free from wrinkles and fissures, perfectly smooth; solid, free from water cavities, almost seedless; ripens thoroughly from center to skin, its glowing crimson color permeating the flesh to the heart; it is free from rot; but above all, the delicious quality and flavor are its crowning merits—toothsome and rich when sliced, savory and delicious when canned, very little boiling being required for it to thicken.

The plants of Ponderosa Tomato are of luxuriant, healthy growth, independent of droughts, free from blight, and are prodigious, early and continuous bearers. First ripe fruits are often picked in ten weeks from seed sowing, while late fruits may be gathered until frost. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00; parcel post paid.



Ponderosa Tomatoes

Red Rock A most desirable and profitable variety for truckers and canners. It is an immense yielder, smooth as an apple; very red; heavy and an excellent shipper. Pkt., 5c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.00; parcel post paid.

Red Pear Shaped Pkt., 10c; oz., 50c; parcel post paid.

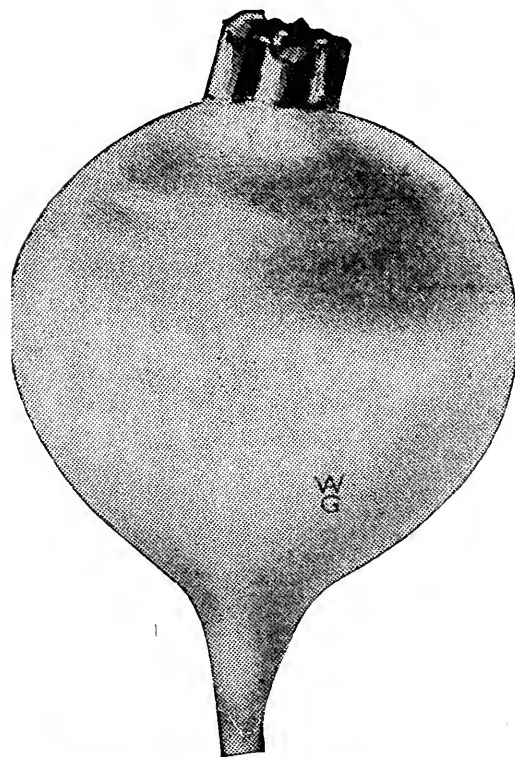
Stone One of the largest, most solid and meaty of all tomatoes, and especially valuable for late plantings. It has heavy foliage, thus protecting the fruits from the burning sun of late summer and early fall. It is very solid and a good shipper; smooth and uniform in growth. Color, a desirable red. Fine for canning, for its solidity. Pkt., 5c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00; parcel post paid.

Strawberry or Husk Tomato Plants of low-spreading ing growth and immensely productive. The small yellow fruits are each enclosed in a husk. Of very sweet flavor, highly esteemed for preserving or making pies. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; parcel post paid.

Yellow Pear Shaped Pkt., 10c; oz., 50c; parcel post paid.

Yellow Ponderosa One of the most interesting novelties ever introduced. It equals our Improved Ponderosa in size, but bears rich, golden-yellow fruits in abundance. This is a grand yellow tomato that has color alone to distinguish it from any other sort we know of. Its striking color compels instant attention. Pkt., 10c; oz., 60c; ¼ lb., \$1.50; 1 lb., \$5.00; parcel post paid.

For prices on Tomato Plants, see page 2.



American Red Top White Globe Turnip

TURNIP

Culture Spring sowing should be put in early so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Rutabagas should be sown in July and early in August, and earthed up as they grow. New ground makes the best turnips, or, if sown in your garden, first mix a good supply of Duplex Basic Phosphate with the ground, then sow your seed. Cover the seed about ½ inch. Sow 1½ pounds to the acre in drills, 2 lbs. broadcast. One ounce to 100 feet of drill.

American Red Top White Globe Our special re-selected strain perfect in shape and color; flesh white and of excellent quality; shape is nearly a globe; skin white at bottom, purple at top, making a very attractive appearance. This variety is more largely planted than any other by market gardeners. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00; parcel post paid.

Amber Globe Of large size, globe shaped, solid yellow flesh, green top. Fine for table and stock. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c; parcel post paid.

Dixie Land Cultivated in the South for both turnips and greens. The tops furnish an abundance of cuttings, while the turnips are used for both table and stock. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

Large White Globe Makes large, round, handsome white roots, excellent for table and stock. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c; parcel post paid.

Japanese Turnip Shogain Round and the biggest size in Japanese turnips, as they frequently grow to more than 15 pounds. Pure white and brightening color; very solid and sweet; the best variety for summer planting. Is very uniform and stands cold weather. Best keeper, and it makes a good feed for cattle. Price, large pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25; parcel post paid.

Mammoth Purple Top Globe Makes large, globe-shaped roots, pure white, with purple top. A heavy yielder and unsurpassed in quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c; parcel post paid.

Purple Top Milan The earliest variety of turnip. Medium size, flat, with purple top. Valuable on account of its extreme earliness. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

Red, or Purple Top Strapleaf Flat, white, with purple top. Fine-grained and tender. Used for early market and table. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c; parcel post paid.

Seven Top The old standard popular salad variety, grown exclusively for this purpose. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; parcel post paid.

White Flat Dutch Strapleaf An extra early pure-white, flat-growing variety. Recommended for early market. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c; parcel post paid.

White Egg A quick growing, egg-shaped, pure white variety. Very sweet, firm and mild. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

White Cow Horn A very attractive, quick-growing turnip. Used especially for stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

White Milan Pure white; as handsome as Early Purple Top Milan; flesh sweet and tender. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.75; parcel post paid.

Yellow Aberdeen, Purple Top A splendid keeping variety with firm, solid, yellow meat. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c; parcel post paid.

RUTABAGA

Sow in drills or broadcast in June, July and August.

Improved Purple Top Rutabaga An improved strain of the finest yellow-fleshed rutabaga grown. Hardy, sweet and a good keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c; parcel post paid.

Sweet Russian A superior variety for table or stock; flesh firm, sweet and juicy. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c; parcel post paid.

SPRING BULBS

Amaryllis

Very popular for house culture and easily grown by everyone, the chief point being to give the bulbs alternate periods of rest and growth.

Johnsoni Amaryllis.—Has immense trumpet-shaped flowers, which measure six to eight inches across, are borne on strong, fleshy stalks, and are of rich, deep velvety crimson, each petal having a bright wide stripe, contrasting beautifully with the deep red color. Each, 75c; 3 for \$2.15; parcel post paid. Not prepaid, by express—each, 70c; 3 for \$2.00.

Caladiums

Caladiums are the most effective plants in cultivation for beds, borders, or for planting out upon the lawn; they are used extensively in many of the public parks, where their decorative value is greatly appreciated. Small bulbs, each, 15c; doz., \$1.25; parcel post paid. Not prepaid, by express, each, 10c; doz., \$1.00.

Large bulbs, each, 25c; doz., \$2.40; parcel post paid. Not prepaid, by express, each, 20c; doz., \$2.00.

Mammoth bulbs, each, 50c; doz., \$5.00; parcel post paid. Not prepaid, by express, each, 40c; doz., \$4.50.

Cannas

The Canna is really one of the best plants for the Southwest when properly handled and the right varieties are used. They are valuable for foliage as well as flowers. They can be had in varieties from two to ten feet high, with several distinct colors of foliage and large range of colors.

Hungaria.—The new Pink Canna with green foliage, a beautiful shade of rose pink. 4 feet. Each, 25c; doz., \$2.15; parcel post paid. Not prepaid—each, 20c; doz., \$2.00.

King Humbert.—Orange scarlet, bronze foliage; 4 feet. Each, 25c; doz., \$2.15; parcel post paid. Not prepaid—each, 20c; doz., \$2.00.

Pennsylvania.—Fiery red, a beautiful flower, 3½ feet. Each, 15c; doz., \$1.40; parcel post paid. Not prepaid—doz., \$1.25.

Jane Adams.—Golden yellow, large, 4 feet. Each, 15c; doz., \$1.40; parcel post paid. Not prepaid—doz., \$1.25.

West Virginia.—Full spikes, brilliant crimson color. 4 feet. Each, 15c; doz., \$1.40; parcel post paid. Not prepaid—doz., \$1.25.

Gladiator.—Bright orange yellow, tall, massive plant, 5 feet. Each, 15c; doz., \$1.40; parcel post paid. Not prepaid—doz., \$1.25.

Cinnamon Vine

Hardy climber, with dark green foliage, and late in the season bearing a profusion of small white flowers of a delicious cinnamon fragrance. Each, 15c; doz., \$1.50; parcel post paid.

Dahlias

Plant bulbs in March and April, 3 feet apart. The Dahlia is one of the prettiest of our summer flowers.

Double Pink. Double Purple.

Double Yellow. Double White.

Double Scarlet. Double Striped.

Each, 30c; doz., \$3.00; parcel post paid. Not prepaid—each, 25c; doz., \$2.75.

Named Dahlias

Gen. J. B. Seth.—A beautiful Cactus Dahlia, brilliant scarlet, with orange scarlet shadings. Each, 50c; parcel post paid. Not prepaid—each, 40c; 3 for \$1.10.

Rheinkoenig.—One of the finest pure white Cactus Dahlias; of splendid form. Each, 40c; parcel post paid. Not prepaid—each, 35c; 3 for \$1.00.

Chatenay.—Peony flowered soft carmen, rose-shaded crimson.

Fritziman.—Brilliant geranium red, a fine peony flowered variety.

Prince of Yellows.—Rich canary yellow Cactus Dahlia. A fine cut flower variety.

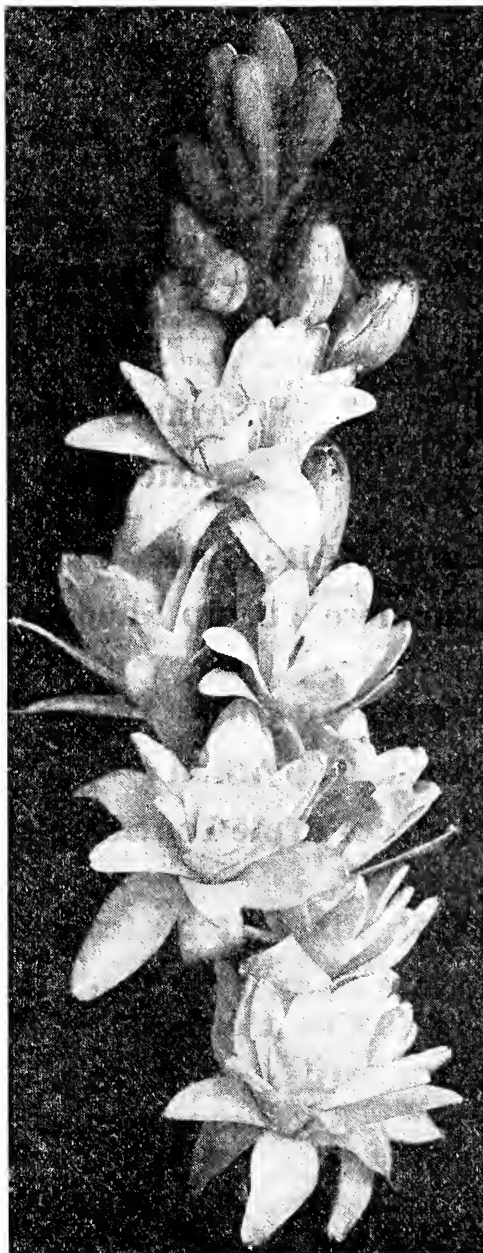
Delice.—The beautiful decorative type, a lively pink shade, very fine.

Jack Rose.—Decorative variety, brilliant red, very large flower.

Perle De Lyon.—One of the finest white decorative Dahlias, a showy flower.

Princess Victoria.—Primrose yellow, fancy show Dahlia, continuous bloomer.

Price any of the above seven named Dahlia Bulbs each 40c, 3 for \$1.10, parcel post paid. Not prepaid—each 35c, 3 for \$1.00.



Tuberose

Robt. Broomfield.—A good pure white double show Dahlia, free flowering. Each, 40c; 3 for \$1.10, parcel post paid. Not prepaid—each 35c; 3 for \$1.00.

Special Offer.—One each of the 10 extra fine named Dahlias on our list for \$3.40 parcel post paid. Not prepaid—10 for \$3.00.

[Gladiolus

One of the best and most certain flowering bulbs. Plant at intervals from March to July.

Gladiolus.—Finest mixed hybrids. By mail—doz., 50c. By express—doz., 40c; 100, \$3.00.

Gladiolus Childsii.—Superb; large flowered; mixed colors. Per doz., 70c; parcel post paid; per 100, \$4.25. By express—doz., 60c, per 100, \$4.00.

Named Gladiolus Bulbs

America.—Soft lavender pink, very fine.

Augusta.—Pure white, with blue anthers, tall.

Brenchleynis.—Intense scarlet, tall spike, very showy.

Pink Beauty.—Large flower, dark pink, long spike.

Price, any of above, doz., 70c, 100, \$4.25; parcel post paid. By express, at buyer's expense, doz., \$4.60; 100, \$4.00.

Hardy Garden Lilies

Auratum (Gold-Banded Lily).—The most beautiful and popular variety of all the Lily family; should be in every garden. Flowers white, dotted crimson with a clear golden band running through the center of each petal; very fragrant. Each 50c; doz., \$4.85; parcel post paid. Not prepaid—each, 40c; doz., \$4.50.

Speciosum Rubrum Lily.—This is one of the most popular and satisfactory of all Lilies and is considered by many as one of the finest of all Lilies. The flowers are bright crimson and white spotted. Splendid large flowers borne in clusters with stems 2 to 3 feet long. Each, 50c; doz., \$4.85; parcel post paid. Not prepaid—each, 40c; doz., \$4.50.

Tiger Lily

This magnificent Lily is borne in immense clusters on tall stems; the flowers are deep fiery red, spotted with black. Each, 25c; doz., \$2.50; parcel post paid. Not prepaid—each, 20c; doz., \$2.25.

Madeira Vine

A beautiful, rapid growing climber, bearing fragrant white flowers; very pretty and useful. Each, 15c; doz., \$1.25; parcel post paid.

Peonies

These have become indispensable in every garden. They are all hardy and admirably suited to our Southern climate, growing in almost all situations.

Red, Pink or White.

Each, 40c; doz., \$4.00; parcel post paid. By express, not prepaid—each, 35c; doz., \$3.50.

Tube Roses

Tuberose, Double Pearl.—Doz., \$5c 100, \$5.35; parcel post paid. By express—doz., 75c; 100, \$5.00.

RUSSELL-HECKLE'S FLOWER SEED

SPECIAL RATES ON PACKET FLOWER SEEDS.

Select any six 5c size for.....	\$.25
Select any thirteen 5c size for.....	.50
Select any thirty 5c size for.....	1.00
Select any three 10c size for.....	.25
Select any seven 10c size for.....	.50
Select any fifteen 10c size for.....	1.00

We pay parcel post at above rates, but allow no further discounts.

Brief Hints on Sowing.—Nine-tenths of the failures in raising flowers are caused by improper treatment of the seeds and young plants. The finer seeds should be started in shallow, well-drained boxes in the house and the young seedlings should be transplanted a few times until they are large enough to be set out into the open ground. Do not plant any seed as long as the ground is wet. A mellow loam, enriched with compost of rotted manure and leaf mold, is best adapted to most flowers. Rake the surface as smooth and fine as possible, elevating the surface of the beds and borders slightly in the middle so that surplus water may run off. Cover the different seeds in proportion to their size, giving very thin covering to small seeds and planting large seeds deeper. All prices on Flower Seeds are parcel post paid.

Abronia—Sand Verbena (Umbellata).—A trailing plant which thrives in poor soil. Its fragrant pink flowers are borne in clusters all summer. Pkt., 5c; oz., 50c.

Acroclium Roseum.—A pretty Everlasting, bearing graceful daisy-like flowers, pretty bright rose with yellow center, which, when cut in the bud state, can be dried and used for winter bouquets. Pkt., 5c; oz., 60c.

Ageratum Blue Perfection.—A hardy annual of easy culture, especially valuable for bedding, as it is literally covered with blossoms all summer. Sow the seed early in the spring. Pkt., 10c; oz., 50c.

Alyssum, Sweet.—Six to eight inches high; a fragrant hardy annual, bearing spikes of small white flowers in great profusion throughout the summer and autumn. Useful for border or early bedding flowers. Sow the seed early in spring. Pkt., 5c; 1 oz., 25c.

Alyssum (Little Gem).—Three to four inches high; fine for borders. Pkt., 10c; oz., 35c.

Amaranthus, Joseph Coat.—Mixed colors. Pkt., 10c; oz., 40c.

Antirrhinum (Snap Dragon).—Flowers double the size of older sorts, more closely set on the stems and colors more clear and brilliant, growing about 18 inches high. Grand mixture of many colors. Pkt., 5c; oz., 75c.

ASTERS

Aster (China).—Very effective in beds or borders, and offers a pleasing change to the innumerable double sorts. Mixed colors. Pkt., 5c; oz., 60c.

Aster (Giant Comet).—A good bedding variety with large blossoms, the petals of which are long, narrow and curled backward. Splendid for cut flowers. Mixed colors. Pkt., 10c; oz., \$1.50.

Victoria (Mixed Aster).—Flowers very large and perfectly double, of globular shape and imbricated; plants of fine pyramidal form, 1½ feet high. Pkt., 10c; oz., \$2.00.

Aster (Perfection).—Large and double mixed colors. Pkt., 10c; oz., \$1.75.

Asters (All Colors Mixed).—A combination of all varieties, giving both range of colors and shapes. Pkt., 5c; oz., 60c.

Sempie's Branching Asters.—This superb strain is of American origin, and is especially adapted to our climatic conditions. The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers, which, under ordinary cultivation, average 4 inches across. Pkt., 10c; oz., \$1.50.

**Crimson.
Pink.
White.**

**Lavender.
Purple.
Mixed, all shades.**

Kindly send us the names and addresses of your market gardener friends and we will mail them a copy of our catalogue free.

Balsam Appie.—Round, apple-shaped fruit with very fine, glossy, green foliage. This is a pretty climber. Pkt., 5c; oz., 30c.

Baisam (Double Mixed).—Balsams like hot sun, rich soil and plenty of water. Plant 12 to 18 inches apart. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Pkt., 5c; oz., 50c.

Balloon Vine.—A rapid growing climber; thrives in light soil. One of the prettiest climbers. Pkt., 5c; oz., 30c.

Bachelor's Button.—Mixed colors. Of easy culture; sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual. Pkt., 5c; oz., 30c.

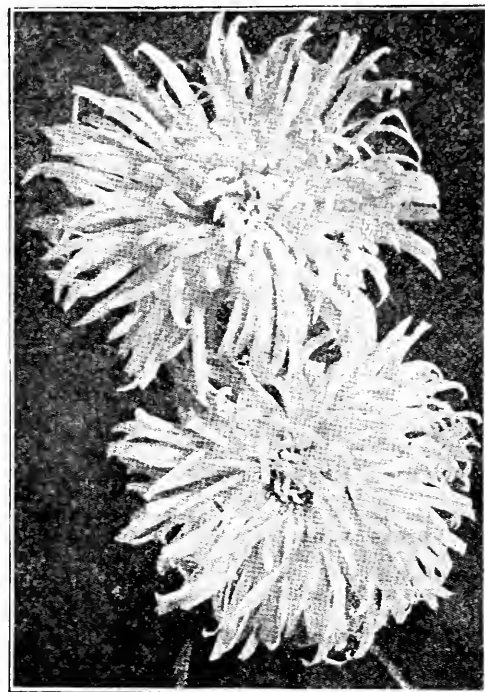
Brachycome (Swan River Daisy).—Free flowering dwarf growing annuals, covered during the greater part of the summer with a profusion of pretty flowers. Pkt., 5c; oz., 75c.

Browallia.—One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back. Pkt., 5c; oz., 60c.

Cacalia (Tassel Flower or Flora's Paint Brush).—A very attractive border plant with brilliant orange-scarlet flowers, which are much prized for bouquets and vases. Pkt., 5c; oz., 50c.

Calendula (Pot Marigold).—Very hardy annual, one foot high. Has showy flowers blooming until frost and producing a fine effect in borders. It is of easy culture and is desirable for rather inferior soils, where less sturdy flowers do not thrive. Mixed varieties. Pkt., 5c; oz., 35c.

Calliopsis.—Showy and beautiful free flowering annuals, blooming all summer and excellent for cutting and massing. Mixed colors. Pkt., 5c; oz., 75c.



Asters

Canary Bird Vine.—A beautiful climber with curiously shaped little canary-colored blossoms. Will blossom freely from July until killed by frost. Tender annual. Sow in the house and transplant, or in open ground. Pkt., 5c; oz., 35c.

Candytuft.—Very showy for borders or massing in beds. Mixed. Pkt., 5c; oz., 20c.

Canna.—Stately, ornamental, producing clusters of large flowers of the most intense varied and brilliant colors. Very desirable for greenhouse or bedding outdoors. Plant the seed in February, first soaking them for a day in warm water. Mixed colors. Pkt., 5c; oz., 35c.

Canterbury Bells.—Handsome, hardy biennial of stately growth, rich color and profuse bloom. Should be given some protection in severe winter weather; height, 2 to 4 feet. Single mixed colors. Pkt., 5c; oz., 30c.

Cardinal Climber.—A new and brilliant colored annual climber. Flowers glowing scarlet, 1½ inches in diameter, the tube being 1¼ inches in length. Vines branch freely, attaining a height of from 20 to 30 feet. Start seed indoors in March and transplant. Pkt., 15c; oz., \$1.00.

Carnation Marguerite.—The plants of this wonderfully fine strain may be made to flower in four months. The flowers are large, double and very fragrant, and appear in very attractive shades of color. One of the best "Pinks" in cultivation. Mixed colors. Pkt., 10c; oz., \$2.00.

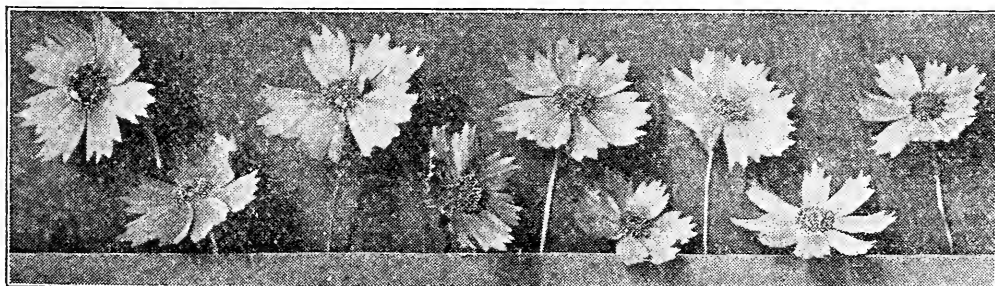
Centaurea Cyanus.—Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes. Pkt., 5c; oz., 30c.

Cobea Scandens (Cup and Saucers Vine).—A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc.; large, bell-shaped purple flowers. Pkt., 5c; oz., 40c.

Cockscomb Celosia.—The finest type of the crimson feathered cockscomb. Huge plumes of crimson flowers. Pkt., 10c; oz., 75c.

Coleus.—Probably the best known and most popular of ornamental foliage plants. The leaves are of many shades of color and have a rich, velvety appearance of extraordinary beauty. Tender perennial. Mixed colors. Pkt., 20c.

Coreopsis.—Fine for cutting; graceful flowers. Pkt., 5c; oz., 35c.



Calliopsis

COSMOS

Among the garden annuals that have come into prominence in recent years the Cosmos leads all. It is a show in the garden and magnificent when cut. Seed sown in the open ground in the beginning of April will produce blooming plants in July, and they will continue to flower late in the fall.

Cosmos, Giant Flowering (White).—Pkt., 10c; oz., 50c.

Cosmos, Giant Flowering (Pink).—Pkt., 10c; oz., 50c.

Cosmos, Giant Flowering (Crimson).—Pkt., 10c; oz., 50c.

Cosmos, Giant Flowering (Mixed Colors).—Pkt., 10c; oz., 50c.

Cosmos, Early Flowering (Mixed Colors).—Pkt., 5c; oz., 40c.

Cosmos, Burpee's Crimson-Ray.—The flowers show a new departure in form, number, and shape of the petals. The petals, greatly increased in number, are narrow and fluted, separated in star-like form and of brilliant crimson color overlaid with a velvet sheen. Pkt., 10c.

Cosmos, Burpee's White-Ray.—It differs from the above in the color of the flowers, which are pure white. Pkt., 10c.

Cypress Vine.—Rapid climber, having dark green, feathery foliage, bearing an abundance of star-like flowers; fine for trellises and arbors. Mixed. Pkt., 5c; oz., 35c.

Dahlia (Double).—This strain is a decided advance on the ordinary singles. The plants are of strong, robust habits, and produce in great abundance flowers of immense size, of the most bewildering variety of coloring. Mixed colors. Per pkt., 10c; oz., \$1.00.

Daisy.—Finest double; very desirable for edgings or low borders. Mixed, pink and white. Pkt., 10c; oz., \$2.50.

Daisy (Shasta's Burbank).—Pure white; gigantic; will bloom in six months from seeding. Pkt., 10c; oz., \$2.50.

Eschscholtzia (California Poppy).—State flower of California. A genus of the Poppy family, fully as valuable as the common poppy for garden ornamentation, as it blooms almost continuously. Hardy annuals; height 1 foot. Mixed. Pkt., 5c; oz., 35c.

Eschscholtzia (Golden West).—Flowers 3 to 5 inches across. Bright yellow with orange blotch at base of petals. Pkt., 5c; oz., 35c.

Four O'Clock (Marvel Peru).—Mixed. These flowers are funnel shaped; red, white, yellow or striped with other colors and open about 4 o'clock in the afternoon, remaining open all night. The abundance of new flowers daily afford a constant succession of fine blooms. Sow in open ground. Hardy annual; two feet high. Pkt., 5c; oz., 15c.

Foxglove (Digitalis).—Grows to the height of 3 or 4 feet, with dense spikes of brilliantly colored flowers which are terminal and half as long as height of plant. Colors, white, lavender and rose. A valuable flower

in every perennial garden; does not usually blossom until the second year. Mixed colors. Pkt., 5c; oz., 30c.

Gaillardia.—Splendid show annuals; excellent for cutting. Mixed colors. Pkt., 5c; oz., 30c.

Globe Amaranth (Bachelor's Button).—A single plant will produce several hundred flowers. 1 ft. Mixed colors. Pkt., 5c; oz., 30c.

Gourd.—A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth they are fine to cover old fences, trellises, stumps, etc. Tender annual; 10 to 20 feet high. Pkt., 5c; oz., 25c.

Gypsophila.—Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases. Pkt., 5c; oz., 25c.

Helichrysum (Straw Flower).—Fine border plant. The finest sort for winter bouquets. 2 ft. Mixed colors. Pkt., 5c; oz., 40c.

Heliotrope.—Will bloom as easily from seed as any of the common annuals. Pkt. 10c; oz., \$1.25.

Hollyhock (Double, Mixed Colors).—Our seeds have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April, May or June for next year's blooming. Pkt., 10c; oz., \$1.00.

Humulus (Japanese Hops).—Quick growing vine for veranda or trellis. Annual; not subject to insect pests; very handsome; stands drought well. Pkt., 5c; oz., 40c.

Hyacinth, or Jack Bean.—A rapid growing annual climber; mixed; all colors. Pkt., 5c; oz., 15c.

Ice Plant.—A handsome and curious plant for hanging baskets, rock-work and vases. The leaves and stems appear as though covered with ice crystals. The whole plant is peculiarly brilliant in sunshine. The flower is white and pink. Pkt., 5c; oz., 35c.

Kochia, or Summer Cypress.—Grows quickly from seed sown in the open ground. The plants are of rounded or globe-like form. Early in the fall the ends of the shoots are thickly set with small bright scarlet flowers, the bushy plants resembling balls of fire; makes a good summer hedge. Pkt., 5c; oz., 40c.

Kudzu Vine.—To this must be awarded first place as the fastest growing hardy climbing plant. It will grow 8 to 10 feet the first year from seed, and after it becomes established there seems to be no limit to its growth. Its foliage is large and covers well; bears small racemes of rosy-purple, pea-shaped blossoms towards the close of August. A splendid subject for covering permanently verandas, dead trees, etc. Pkt., 10c; oz., 80c.

Larkspur.—The Larkspur is one of the handsomest and most useful of plants and for large gardens is invaluable. Mixed. Pkt., 5c; oz., 35c.

Larkspur Perennial.—The hardy kind. Mixed varieties. Pkt., 10c; oz., \$1.50.

Lobelia.—A trailing variety with deep ultramarine blue flowers. Very fine for hanging baskets and boxes. Pkt., 5c; oz., 50c.

Marigold.—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. No flower garden seems complete without this fine old-fashioned flower. Hardy annuals, in bloom till frost comes. Pkt., 5c; oz., 40c.

Mignonette (Sweet).—A well-known, hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and summer, it will bloom until killed by frost. Thrives best in a cool temperature. Pkt., 5c; oz., 25c.

Moon Flower.—So called from its rare peculiarity of blooming best at night, although it also expands its flowers on dull days. A beautiful climber, producing large, sweet-scented flowers 4 to 5 inches across. Tender annuals, 15 to 20 feet. Soak seed and plant in warm, sunny place. Pkt., 10c; oz., 50c.



Cosmos

Moon Flower (Bona Nox).—Blue flowers, large and fragrant. Pkt., 10c; oz., 50c.

MORNING GLORY

Morning Glory.—A hardy climbing annual growing about 10 feet high. Flowers are well known and exist in a great variety of colors, tints and markings. Fully expanded only in the morning. Of easy culture, quick growth and valuable in every garden. Mixed colors. Pkt., 5c; oz., 15c.

Morning Glory (Japanese Mixed).—New improved Japanese Convolvulus of grand variety; flowers measuring from 4 to 5 inches across; great variety of colors; very handsome foliage. Pkt., 5c; oz., 25c.

Morning Glory (Double Snow Fairy).—This is absolutely the greatest novelty yet introduced. The vines are rapid growers, running from 12 to 18 feet. All during summer the vines are literally covered with glistening white blossoms which are very double and exquisitely lacy in effect. Pkt., 15c; oz., \$1.00.

Musk Plant.—Tender little plants, with singularly shaped and brilliantly colored flowers blotched in every conceivable manner. Excellent for baskets or vases. Leaves musk-scented; small yellow flowers. Pkt., 5c; oz., \$1.00.

Nasturtiums

Annual. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil in a well-drained, sunny position, and within a few weeks from the time they are sown until hard frost comes there is an endless profusion of their gorgeous blossoms.

Dwarf Choice Mixed Nasturtium.—A magnificent strain, containing countless shades, colors, stripes, blotches and veinings. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50.

Tall Choice Mixed Nasturtium.—For richness and variety of color these have no equal among Nasturtiums. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.25.

Nigella

"Love-in-a-Mist."—Showy in foliage, flowers and seed pods. The flowers are surrounded by a wreath of mossy fibers. Pkt., 5c; oz., 35c.



Dahlia

Pansies

These popular flowers thrive best on a cool, moist, but well-drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming.

Pansy.—Choice. A splendid mixture of many very fine varieties. Pkt., 5c; oz., 75c.

Pansy (Mammoth Flowering, Mixed).—A special mixture of all the Giant Pansies; very fine colorings; contains an almost endless variety of shades. Pkt., 10c; oz., \$1.50.

Pansy (Overton Park Mixture).—Is saved from exhibition flowers, including almost every shade of color, exquisitely spotted and blotched, veined, mottled and margined, all fancy varieties. This strain is so beautiful that no description or praise can do it justice, being unsurpassed for rich and varied colors and immense size. Pkt., 15c; oz., \$2.00.

Petunias

Petunia (Fine Mixed).—Good mixture of all free blooming colors. Pkt., 5c; oz., 50c.

Mammoth Flowering Petunia.—Large flowering Grandiflora, all colors mixed; single fringed and ruffled. Pkt., 10c.

Howard's Star Petunia.—Compact-growing variety; flowers striped and blotched. Pkt., 10c; oz., \$1.25.

Petunia (Double Mixed).—New large flowers; our strain is the best that can be secured from any source at any price. Pkt., 25c.

Phlox

The annual Phlox occupies first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants which can readily be grown from seed. It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger of frost is past.

Phlox Drummondii (Choice Mixed).—Contains fine select varieties of this showy annual. Pkt., 5c; oz., 50c.

Phlox Drummondii (Large Flowering Mixed).—Pkt., 10c; oz., 90c.

Star of Quedlinburg Phlox.—Star-shaped flowers of many colors. Pkt., 10c.

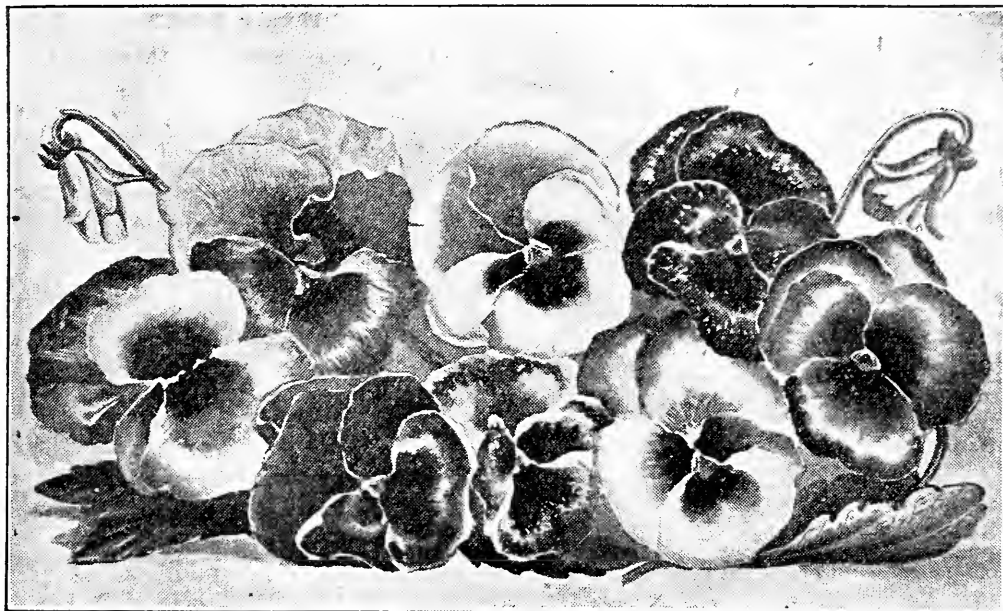
Phlox Fireball.—Flowers large blood red. Pkt., 10c.

Phlox Snowball.—Large, clear white flower. Pkt., 10c.

Phlox (Hardy Perennial).—Large and showy; mixed colors; 3 feet. Pkt., 15c.



Large Flowering Phlox



Pansies

Pinks

Pinks.—Hardy and half-hardy biennials and perennials, but nearly all blooming the first year from seed; of easy culture. Seeds may be sown in the open ground.



Shirley Poppy

Pinks (China Double Mixed).—Pkt., 5c; oz., 50c.

Pinks (Heddewigii Double Mixed).—Flowers very large and double and of various shades of brilliant colors. Pkt., 5c; oz., 50c.

Pinks (Double Diadem).—A most brilliant mixture of colors of bewildering beauty. Pkt., 5c; oz., 90c.

Portulaca

There is scarcely any flower in cultivation that makes such a dazzling display of beauty as a bed of brilliant colored Portulacas. They thrive best in a rather rich, light loam or sandy soil, and an exposed sunny situation. Half-hardy annual.

Double Mixed.—All colors. Pkt., 10c; oz., \$2.75.

Single Mixed.—All colors. Pkt., 5c; oz., 40c.

Poppies

Poppies (Double Peony Flowered).—Annual variety; mixed, large, full double-fringed flowers. Pkt., 5c; oz., 15c.

Poppy (Shirley).—These handsome flowers are single, beautiful in color, from pure white to deep crimson. Pkt., 5c; oz., 25c.

Poppy (Fine Mixed).—A combination of all varieties, single and double flowers. Pkt., 5c; oz., 15c.

Poppies (Oriental).—Hardy perennial variety, of easy culture; in bright, glowing colors. Pkt., 10c; oz., \$2.00.

Ricinus.—(Castor Bean.)—Stately, strong growing annual plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders. Pkt., 5c; oz., 15c.

Rudbeckia—Golden Glow.—Fine free-flowering annual variety. The disc is brown, the florists golden yellow, with large velvety brown spots at the base. Very effective and useful for cutting. Pkt., 10c; oz., \$1.00.

Salpiglossis.—Finest mixed; all colors. One of the greatest favorite annuals of easy culture, beautiful orchid-like flowers, produced from early summer until late fall. Pkt., 5c; oz., 50c.

RUSSELL-HECKLE SEED CO.'S 1920 BIG 35c COLLECTION OF GARDEN SEEDS—12 GOOD VARIETIES

At regular prices this collection would cost 70c. It is a genuine bargain for 35c. We will send you, parcel post paid, one packet each of the following:

- No. 1. Bush Beans—Burpee's Stringless.
- No. 2. Pole Bean—Kentucky Wonder.
- No. 3. Beet—Crimson Globe.
- No. 4. Collard—Southern.
- No. 5. Carrot—Half-Long Danvers.
- No. 6. Okra—White Velvet.
- No. 7. Lettuce—White Cabbage Head.
- No. 8. Mustard—Southern Curled.
- No. 9. Radish—Crimson Globe.
- No. 10. Squash—White Bush.
- No. 11. Spinach—Savoy Curled.
- No. 12. Turnip—White Flat Dutch.

No changes will be allowed in any of the collection.

Salvia

Salvia (Flowering Sage).—A tender perennial, blooming the first season from seed. The blossoms are borne on long stems in racemes or spikes. The plant blooms profusely. Pkt., 10c; oz., \$2.00.

Salvia (Bonfire).—Flowers of a most brilliant, dazzling scarlet; one of the finest. Pkt., 15c; oz., \$2.25.

Scabiosa (Also called Mourning Bride).—Double flowering mixed. Pkt., 5c; oz., 30c.

Scarlet Runner Beans.—A great favorite, not only as an ornamental climber, but for the delicious edible beans which succeed the bright scarlet sprays of pea-shaped blossoms. Pkt., 5c; oz., 15c.

Schizanthus.—Of much interest and beauty, flowers being beautifully marked, after style of some orchids. Mixed colors. Pkt., 5c; oz., 40c.

Sensitive Plant.—One of the most remarkable and interesting plants in cultivation; the leaves, when touched, instantly fold up. Pkt., 5c; oz., 40c.

Stocks (Ten Weeks).—Mixed. These popular plants are generally grown both for the brilliance and profusion of their blossoms and their fragrance. They are quite easily cultivated. Pkt., 5c; oz., 75c.

Sunflower.—Tall growing plants, with large and showy yellow flowers; hardy annuals. Pkt., any variety, 5c; oz., 25c.

Double Dwarf Sunflower, 4 feet.

Globe of Gold Sunflower, 4½ feet.

Double Tall Sunflower, 7 feet.

Single Sunflower, 5 feet.

Sweet Rocket.—Grows 2 to 3 feet high; bears spikes of showy fragrant flowers; all colors, mixed. Pkt., 5c; oz., 35c.

Sweet Sultan Imperialis.—This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet scented, artistic shaped flowers are borne on long, strong stems; when cut will last for several days in good condition. Pkt., 5c; oz., 40c.

Sweet William.—Single varieties; mixed; more attractive than the double. Pkt., 5c; oz., 75c.

Sweet William.—Double mixed; a mammoth flowered type of great beauty. Pkt., 10c; oz., 75c.



Verbenas

Sweet Peas

Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with plenty of well rotted manure in it. Heavy soils must be well worked and fertilized some time before sowing the seed. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the seed is well above the ground, the little plants should be thinned out so as to be at least from two to four inches apart. It is a mistake to sow too thick, but it is well to allow for seeds which may rot in the ground or be destroyed by cutworms. In low, damp soils, the seed should only be planted an inch and a half or two inches deep, or they will rot during the process of germinating.

Spencer Mixed Sweet Peas.—They represent the highest achievement in Sweet Peas to date. This mixture has been made up of named sorts. Pkt., 5c; oz., 20c; ¼ lb., 25c; 1 lb., \$2.50; parcel post paid.

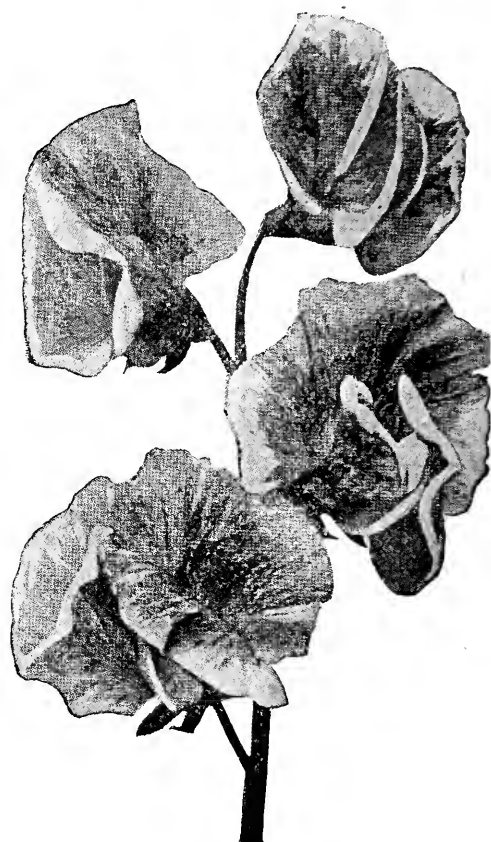
Burpee's Finest Spencers.—From the house of Burpee. Their own special mixture of Spencer Sweet Peas. Pkt., 10c; oz., 25c; ¼ lb., \$1.00; 1 lb., \$3.00; parcel post paid.

Flery Cross Spencer.—Intense orange scarlet, distinct both in color and size. Pkt., 10c; oz., 50c.

Eckford's Royal Mixed.—Composed of varieties all of the largest flowering, in even quantities of color. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

Cupid or Dwarf Mixed.—Contains all the colors. Pkt., 5c; oz., 20c; ¼ lb., 60c; parcel post paid.

Perennial Mixed.—Perfectly hardy. They come up year after year. Pkt., 10c; oz., 50c.



Spencer Sweet Peas

Named Spencer Varieties

Price, any of the following varieties except where noted. Pkt., 10c; 1 oz., 30c; ¼ lb., \$1.00; 1 lb., \$4.00; parcel post paid.

Apple Blossom Spencer.—Rose and white, beautifully waved.

Asta Ohn Spencer.—Soft, pinkish lavender self, soft and wavy.

Countess Spencer.—The original giant flowered Spencer, clear pink.

Dobbie's Cream Spencer.—Deep cream or primrose colored; nicely waved.

Elfrida Pearson Spencer.—A very large light pink on white ground, beautifully edged and shaded.

Helen Lewis Spencer.—A beautiful orange; fine form; very showy.

Illuminator Spencer.—Rich salmon pink, extra fine shade.

King Edward VII Spencer.—The best pure red Spencer; a fine flower.

King White Spencer.—Produces gigantic flowers absolutely pure white.

Mrs. Routzahn Spencer.—Buff or apricot ground flushed and suffused with delicate pink.

Othello Spencer.—Deep rich maroon purple, very dark.

White Spencer.—A superb purest white with large blossoms.

Thunbergia (Black-Eyed Susan).—A beautiful tender climber, 3 to 5 feet high, with pale yellow or orange-yellow flowers, having a distinct black center. Tender annual. Pkt., 10c; oz., 35c.

Verbenas

Verbena, Choice Mixed.—Embraces all colors. Pkt., 5c; oz., \$1.00.

Verbena, Fancy Large Mixed.—Embraces a wide range of the most beautiful colors, the clusters being of large size. Pkt., 10c; oz., \$1.25.

Verbena, Clear Pink.—Pkt., 10c; oz., \$1.25.

Verbena, Deep Purple.—Pkt., 10c; oz., \$1.25.

Verbena, Bright Crimson.—Pkt., 10c; oz., \$1.25.

Verbena, Pure White.—Pkt., 10c; oz., \$1.25.

Vinca or Periwinkle.—Ornamental free-blooming, handsome bushy plants, with glossy foliage and round single flowers, 1½ inches across. Blooms the first season from seed. In a sunny situation they bloom all summer; in the fall, if taken up and potted, they will bloom through the winter. Desirable for massing or borders. Very easily grown. Pure white. Pkt., 10c; mixed colors, pkt., 10c; oz., 75c.

Wallflower.—Very conspicuous in beds or borders, and are very useful in making bouquets. They are deliciously fragrant; single mixed. Pkt., 5c; oz., 35c.

Wild Cucumber Vine.—Ornamental climbing cucumber with curious fruit; remarkable for its luxuriance and rapidity of growth. Pkt., 5c; oz., 25c.

Wild Flower Garden Mixture.—A delightful surprise to thousands of flower lovers; not a tame garden of wild flowers, but a wild garden of tame flowers. A mixture of the choicest seeds, mostly annuals, to be sown haphazard, in a promiscuous way. Pkt., 5c; oz., 35c.

Zinnia

A half-hardy annual growing from 1 to 2 feet high. The colors are in great variety and very bright. Probably no flower has such an assortment of shades, tints and colors, and no bedding plant is more effective for a brilliant show. Sow in boxes early and transplant.

Zinnia (Choice Double Mixed).—A fine mixture of colors. The petals are curled and the flowers large and attractive. Pkt., 5c; oz., 40c.

Zinnia (Fancy Large Flowering Mixed).—A magnificent form of this most useful annual, with a wonderful range of brilliant colors. Pkt., 10c; oz., 60c.

Zinnia, Fancy Large White.—Pkt., 10c; oz., 75c.

Zinnia, Fancy Bright Pink.—Pkt., 10c; oz., 75c.

Zinnia, Fancy Deep Crimson.—Pkt., 10c; oz., 75c.

Zinnia, Fancy Clear Yellow.—Pkt., 10c; oz., 75c.

Zinnia, Curled and Crested.—Pkt., 10c; oz., 75c.

RUSSELL-HECKLE'S FERTILIZERS

HOW TO USE FERTILIZERS.

Fertilizers can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; then cover same with a little soil and then sow your seed. Or, they can be used by working them into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and the nature of the plant.

Fifty pounds of Garden Fertilizer is sufficient for a garden 40x50 feet.

For all field crops, use from 200 to 400 pounds per acre, according to the soil.

Armour's Fertilizers

These well known brands need little description, as they are known all over the country. Our customers can depend on them in every way. They will give a big increase in your crop, under favorable conditions, and we recommend them with utmost confidence.

Armour's Acid Phosphate.—Most all soils need Phosphates, and this can be used for all field crops with good results, either alone or mixed with cottonseed meal. Guaranteed 16% available phosphate.

Price per 100 lbs., \$2.00; per ton (2,000 lbs.), \$32.00; F. O. B. Memphis.

Armour's Cotton Guano.—Specially Prepared for this crop; not only promotes growth of plant, but increases yield of lint and makes it mature early.

Analysis: Phosphoric acid, 10%; Nitrogen, 1 65-100%; Potash, 1%.

Price per 100 lbs., \$3.00; per ton (2,000 lbs.), \$52.00; F. O. B. Memphis.

Armour's Truck Guano.—This is a complete fertilizer for all garden crops, such as cabbage, beans, potatoes, melons, onions, squash, tomato, etc.

Analysis: Phosphoric acid, 10%; Nitrogen, 2 47-100%; Potash, 1%.

Price by freight: 3 lbs., 25c; 25 lbs., \$1.25; 100 lbs., \$4.00; per ton (2,000 lbs.), \$60.00.

Armour's 8-4-3 Guano.—The highest grade for all garden and trucking crops. The nitrogen, which is high, is derived from blood. It is very quick in action and will increase crops of all kinds.

Analysis: Phosphoric acid, 8%; Nitrogen, 4%; Potash, 3%.

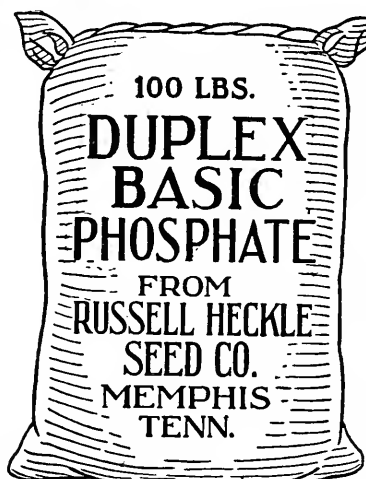
Price by freight: 3 lbs., 25c; 25 lbs., \$1.50; 100 lbs., \$4.50; per ton (2,000 lbs.), \$76.00.

Armour's Corn Special.—Increase growth of stalk and ears, makes the ears fill out and supplies all the plant food needed for a big increase in your crop.

Analysis: Phosphoric acid, 11%; Nitrogen, 82-100%; Potash 50-100%.

Price: Per 100 lbs., \$2.50; per ton, \$42.00; F. O. B. Memphis.

Duplex Basic Phosphate



Is a fertilizer that is particularly adapted to our soils in Tennessee, Arkansas, Mississippi, etc. Most of these soils are pretty well supplied in potash, also through the use of cow peas, clovers and other legumes are fairly well supplied with nitrogen. However, through the tendency of our soils to acidity or sourness, the potash and nitrogen have not been available. Duplex Basic Phosphate contains 18% total phosphoric acid, and in addition 45% of lime—every ton contains over 900 pounds of lime, which is a corrective of soil acidity and releases the potash and nitrogen. Thus, through the use of Duplex Basic Phosphate, the three principal elements of plant food, phosphate, potash and nitrogen, become available for growing crops in your soil, resulting in yields such as you have never dreamed of.

Upon request we shall be glad to furnish you with descriptive literature which will be found both interesting and instructive, containing opinions of some of our foremost agriculturists.

Price, 18% Duplex Basic Phosphate, 100 lbs. \$1.50

Price, 14% Duplex Basic Phosphate, 100 lbs. 1.25

Raw Chemical Material

Nitrate of Soda.—This is the most soluble and quickly available form of Nitrogen or "Ammonia." It is of great benefit in forcing a strong, luxuriant growth in plants. It is especially valuable for cabbage, cauliflower, beets, carrots, onions, potatoes and similar crops, as well as for grass, grain, fruits and flowers. Use 100 lbs. to an acre. By freight, 2 lbs., 25c; 25 lbs., \$2.00; 100 lbs., \$7.00.

Pure Bone Meal.—Invaluable for top dressing lawns. Nothing is better for fertilizing young fruit trees, grape vines, roses, etc. By freight, 3 lbs., 25c; 25 lbs., \$1.25; 100 lbs., \$4.00.

Wizard Brand Sheep Manure.—Nature's own fertilizer. Use on lawns and flowers. By freight, 5 lbs., 35c; 25 lbs., \$1.00 100 lbs., \$3.00.

Sterlingworth Plant Tablets.—A new odorless invigorator for house plants; increases growth of plant and doubles the bloom. Two sizes, 10c and 25c per box. By parcel post, 15c and 30c.

Russell-Heckle Seed Co.'s 1920 Big 60c Collection of Garden Seeds—18 Good Varieties

At regular prices this collection would cost exactly \$1.10. This is a real bargain; send us 60c and we will mail it promptly.

- No. 1. Beans—Bush Imp. Red Valentine.
- No. 2. Beans, Pole—Kentucky Wonder.
- No. 3. Beet—Early Blood Turnip.
- No. 4. Cabbage—Early Wakefield.
- No. 5. Carrot—Half Long Scarlet.
- No. 6. Cucumber—Early White Spine.
- No. 7. Corn—Golden Bantam.
- No. 8. Lettuce—Big Boston.
- No. 9. Mustard—Southern Giant Curled.

- No. 10. Okra—White Velvet.
- No. 11. Onion—Yellow Globe Danvers.
- No. 12. Peas—Telephone.
- No. 13. Radish—Early Scarlet Turnip.
- No. 14. Spinach—Bloomsdale Curled Savoy.
- No. 15. Squash—Early White Bush.
- No. 16. Tomato—Early Detroit.
- No. 17. Turnip—Red or Purple Top, S. L.
- No. 18. Swiss Chard—Silver Beet.

Russell-Heckle Seed Co.'s 1920 Big Dollar Collection—36 Good Varieties of Garden Seeds

\$1.00 buys the complete collection, all parcel post paid. At regular prices it is worth exactly \$2.00, but we want you to try our excellent seeds. One regular sized packet of each of the following:

- No. 1. Beans—Burpee's Stringless Bush.
- No. 2. Beans—Kentucky Wonder Pole.
- No. 3. Beans—Henderson Bush Lima.
- No. 4. Beans—Lima Sieva, Pole.
- No. 5. Beet—Eclipse Blood Turnip.
- No. 6. Cabbage—Early Flat Dutch.
- No. 7. Cabbage—Charleston Wakefield.
- No. 8. Collard—Georgia White Cabbage.
- No. 9. Carrot—Danver's Half Long.
- No. 10. Cucumber—Improved Long Green.
- No. 11. Corn—Golden Bantam.
- No. 12. Corn—Heckle's Daybreak.
- No. 13. Cantaloupe—Rocky Ford.
- No. 14. Lettuce—Big Boston.
- No. 15. Lettuce—Curled Simpson.
- No. 16. Mustard—Southern Curled.
- No. 17. Mustard—Chinese Mammoth.
- No. 18. Onion—Red Wethersfield.

- No. 19. Okra—White Velvet.
- No. 20. Peas—Early Alaska.
- No. 21. Peas—Telephone.
- No. 22. Pepper—Chinese Giant.
- No. 23. Pumpkin—Kentucky Yellow Field.
- No. 24. Parsnip—Sugar Hollow Crown.
- No. 25. Parsley—Double Curled.
- No. 26. Radish—Early Scarlet Turnip, White Tip.
- No. 27. Radish—Early Long Scarlet.
- No. 28. Rape—Dwarf Essex.
- No. 29. Spinach—Curled Savoy.
- No. 30. Squash—White Bush.
- No. 31. Tomato—Early Acme.
- No. 32. Tomato—Stone.
- No. 33. Turnip—White Flat Dutch, S. L.
- No. 34. Turnip—Mammoth Purple Top Globe.
- No. 35. Watermelon—Tom Watson.
- No. 36. Swiss Chard—Silver Beet.

ALFALFA

SPECIAL NOTICE

Prices.—On account of our catalog going to press before the market has been fully established on all Clovers, Alfalfa, Grass and Farm Seeds, we quote same in our catalog only in small lots. For current prices on larger quantities, see our Special Green Ink Price Sheet enclosed.

Alfalfa still continues to grow in popularity all through this section and further South; but for best success with this crop it is absolutely necessary to give thorough preparation, use plenty of lime, and give inoculation where Alfalfa has not been sown before.

Inoculate Your Seed With Mulford Culture to Secure Maximum Results

Small Cost; Large Returns; No Trouble; No Labor

Note accompanying illustration showing the difference in growth between inoculated seed and uninoculated seed.

Three things are necessary in growing Alfalfa: First, sweet soil—that is, soil free from acid. Sour soils can be made sweet by the application of Lime. Second, the soil must be well drained. Soil which has been planted to corn or some other hoed crop for at least two years is necessary for Alfalfa. It should be thoroughly plowed and then harrowed at intervals of 2 or 3 weeks or as often as a crop of weeds appear.

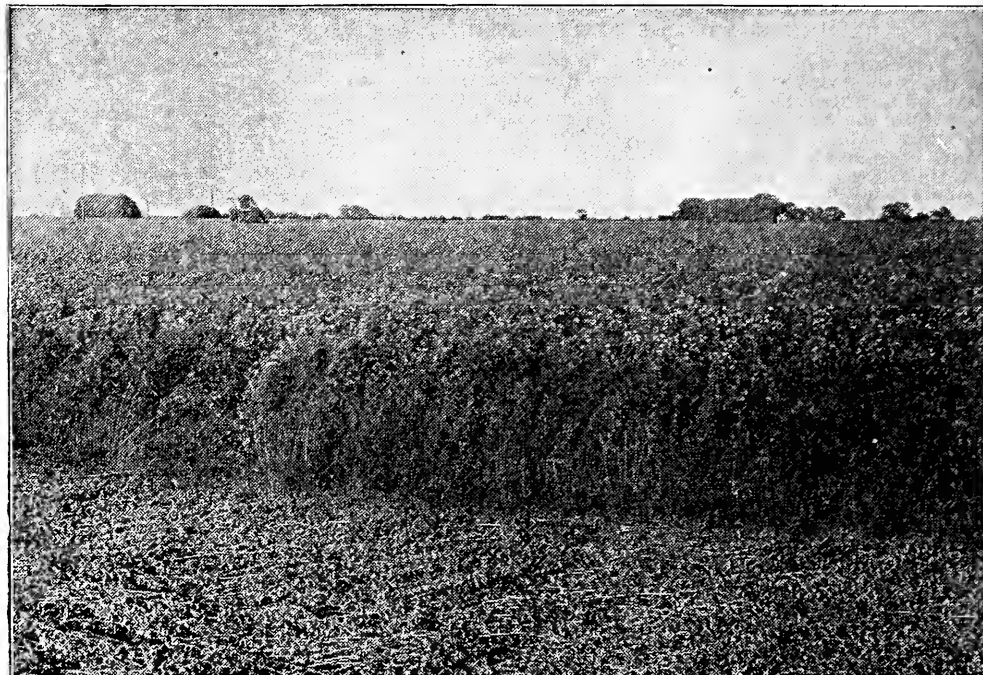
The seed should be covered about 1 inch deep. This can be done to best advantage by using a horse weeder, after which the ground should be rolled. Alfalfa is one of the leguminous crops and takes its nitrogen from the air, providing the soil contains bacteria, which is necessary to give it power.

The seed may be sown broadcast or in drills. If sown broadcast, use 20 to 25 pounds of seed per acre; in drills, 15 pounds. Sowings made in the Spring, March and April, or in the fall, September and October, are successful. A crop of hay may be secured the first season, and the field should be mowed several times, which, indeed, is an advantage, as the result will be that the plants will form a good root system, besides keeping down the weeds. When once established, will give four or five cuttings or from eight to ten tons of fine hay per acre each year. Stands the heat and drouth when once established, and will last for forty or fifty years.

Fertilizing.—Use 1,000 pounds of ground limestone, 400 pounds of Duplex Basic Phosphate, broadcast, to each acre. Applying a coating of well rotted stable manure will be beneficial. The lime and phosphate are necessary; if you have tried Alfalfa, and it died out, it was on account of need of these fertilizers. On old Alfalfa meadows use 600 pounds of Basic Phosphate to the acre, broadcast. It stimulates it wonderfully.

When buying Alfalfa you want the best and purest seed obtainable. Cheap grades are apt to be adulterated with Yellow Trefoil, Burr Clover, Dodder, etc. We have several varieties of the very best, cleanest grade seed, that is grown.

Russell-Heckle's Top Notch Fancy This is our best grade of domestic alfalfa seed. Will test 99-50 per cent purity. The very finest quality and thoroughly re-cleaned. Price, 1 lb., 75c; parcel post paid.



Dakota No. 12 Alfalfa

Russell-Heckle's Top Notch Dakota No. 12 Alfalfa

This variety is the result of years of careful breeding and represents the highest type of Alfalfa. Dakota produces exceptionally hardy Alfalfa, practically immune to winter-killing. Stands drouth and heat as well. Recommended by Mississippi Experiment Station at Stoneville. Our Seed is the Genuine Dakota No. 12 Stock. Price, 1 lb., 85c; parcel post paid.

Disco No. 28 Alfalfa Another of the extra hardy Alfalfas coming from Dakota, the product of selective breeding by probably the best-known Alfalfa breeders in the United States. Very hardy strain and productive. Price, 1 lb., 90c; parcel post paid.

Grimm Alfalfa There has been a demand for Alfalfa that is more hardy than the regular stock and it has been found that the Grimm Alfalfa has proven itself hardier and a better variety for many sections. Having the branching root system, while most all types have the single tap-root, consequently will stand all variations of temperature much better. Our stock is Genuine Grimm Seed. Price, 1 lb., \$1.00; parcel post paid.

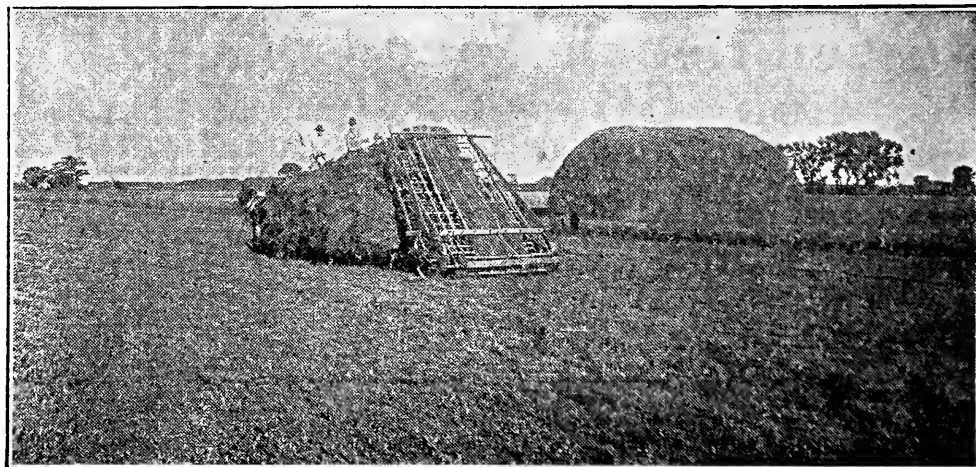
Prices.—On account of catalog going to press before market has been established on all field seeds, we are unable to quote quantity prices on this page. For current prices see Special Green Ink Price Sheet enclosed.

AMATEUR'S GARDEN GUIDE

Special planting instructions for sowing all kinds of vegetable and flower seeds, setting fruit trees, roses, strawberry plants, sowing grasses and clover seeds, supplied free with orders.



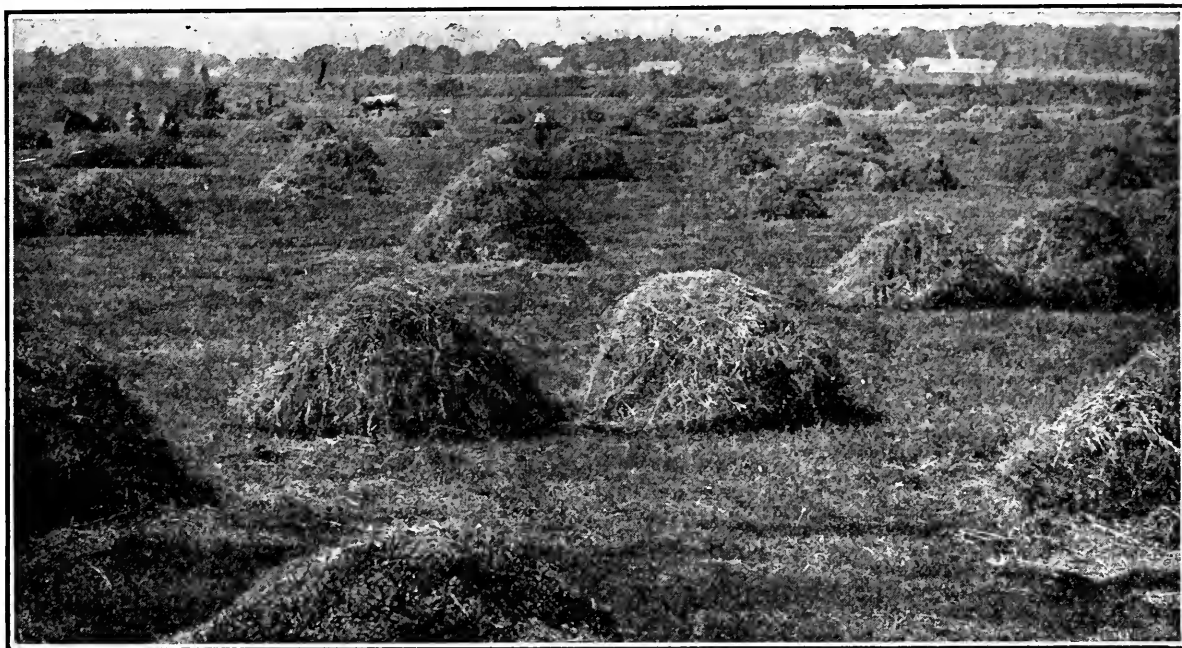
Alfalfa plant on left not inoculated. Plant on right inoculated with Mulford Culture for Alfalfa. All other conditions identical. This contrast speaks for itself.



Plant Russell-Heckle's Top Notch Fancy Alfalfa for bigger yields

Lespedeza or Japan Clover

Japan Clover is a promising crop throughout the Middle and Southern States. It grows rapidly practically anywhere. Once started it soon spreads and makes a steady growth of the finest and most nutritious pasture, much relished by all stock. On stony hillsides or waste lands it will grow well, also on low or wet lands. It is a great crop and the wise planter will sow some no matter what the price. It should be planted at the rate of one bushel to the acre, during February and March, or even as late as April and into May. Sow it broadcast on growing grain, if you like. If sown on sod, the land should first be scarified with a disk harrow in order to give the seed a good seed bed. It thrives on very poor soils and continually improves them, at the same time yielding a highly profitable and nutritious forage. It will yield as high as four tons to the acre and frequently more. Many customers broadcast Lespedeza in February and March on both wheat and fall-sown oats. Price, 1 lb., 50c; parcel post paid.



Field of Lespedeza or Japan Clover

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CLOVER

Red Clover Red Clover is grown for both hay and pasture, also when the roots and stubble are turned under for soiling purpose. As a gatherer of nitrogen it is of great value to land. Soil that will produce satisfactory yields of corn are best suited for Red Clover; boggy lands sometimes do not give good results. When lime is deficient it should be supplied. Throughout west Tennessee, where stands of Red Clover have not been giving satisfaction, Alsike has been sown to advantage. Red Clover, when sown in the spring, on winter grain after the late frosts, will usually have a natural covering. When this covering is lacking the clover seed should be sown by drilling or harrowing in. Sow in March and April broadcast 10 lbs. of seed to the acre. Sowings can also be made in February, either on the snow or oat stubble. Price, 1 lb., 75c; parcel post paid.

Alsike Clover (*TRIFOLIUM HYBRIDUM*).—Alsike Clover grows thicker and is finer in growth than Red Clover, making better hay and probably more and better

grazing. It is also hardier, resisting extremes of heat and drouth and also severely cold weather to a remarkable extent. It succeeds on a variety of soils, light upland loamy lands as well as stiff bottom lands. The good qualities of Alsike are being appreciated everywhere, and it is particularly valuable for grazing and sowing in grazing mixtures. It is surer to give a good stand and make good crops than either the Red or Mammoth Clover, and in sections where these clovers have been uncertain, Alsike is superseding them almost altogether. In this section the use of Alsike is growing rapidly, not only for sowing by itself, but also in mixture with red clover and grasses for grazing.

The seed of Alsike Clover, being much smaller than the Red Clover, does not have to be sown too highly, and consequently it costs less to seed an acre than Red Clover. The quantity of seed per acre when sown alone is 6 to 8 lbs. When sown in mixtures with Red Clover, which is very desirable wherever Red Clover is sown, sow 3 lbs. Alsike and 8 lbs. Red Clover per acre. Price, 1 lb., 70c; parcel post paid.

White Clover This is very largely used in lawn and pasture mixtures, and is indigenous to the soils throughout this section. It makes a small, close, compact growth, covering the ground like a carpet. Does well all through the South. Sow either in the spring or fall. When sown by itself, sow 5 to 6 pounds per acre; it is better, however, sown in mixture with other grasses. Price, 1 lb., 85c; parcel post paid.

Crimson Clover Makes excellent green foliage, or if cut when in bloom will make good hay. Especially valuable for improving the soil, making a quick, heavy and very valuable crop for plowing under. Sow 15 pounds to the acre from July to November. 1 lb., 40c; parcel post paid.

Spotted Burr Clover Sown in August and September. Makes superior pasture, fair hay, and grows on any thin land, and if turned under the following spring acts as a splendid fertilizer. Sow 20 lbs. of burrs to the acre. Price quoted on application.

Mammoth Sapling, or Peavine Clover Very much like the common Red Clover, but larger, heavier and later. Recommended for thin soils. Sow 10 or 12 pounds to the acre. Price, 1 lb., 80c; parcel post paid.

IMPORTANT

Deduct 10c on pound prices quoted parcel post paid in our catalog if you order goods shipped by express or freight.

FLOWER SEED BARGAIN ASSORTMENT

12 5-cent packets for 30c, postpaid.

- | | |
|------------------------------|---------------------------|
| 1 Pkt. Aster, mixed. | 1 Pkt. Phlox, mixed. |
| 1 Pkt. Cosmos, mixed. | 1 Pkt. Pink, mixed. |
| 1 Pkt. Cypress Vine, mixed. | 1 Pkt. Sweet Peas, mixed. |
| 1 Pkt. Morning Glory, mixed. | 1 Pkt. Sweet Alyssum. |
| 1 Pkt. Nasturtium, mixed. | 1 Pkt. Verbena, mixed. |
| 1 Pkt. Petunia, mixed. | 1 Pkt. Zinnia, mixed. |

We can make no change in assortment.



CLOVERS—Cont'd.

Melilotus or Sweet Clover

Sweet Clover can be grown in all sections of the United States, and it has been proven that in many sections it is of value as a farm crop. It thrives on poor clay and poor sandy soil, but does best on limestone soil. On poor soils and where it is uncommon, the seed should be inoculated at the time of sowing. As the bacteria of the roots of the Sweet Clover can inoculate Alfalfa, it makes it a valuable crop where Alfalfa is to be sown later.

Sweet Clover must have a firm, well-prepared seed bed. It does best after corn on ground that does not need to be plowed, using a disk or spike-tooth harrow to cover the seed. It can be sown either in spring or fall, and does best when sown alone; 20 to 30 pounds of hulled seed, or 30 to 40 pounds of unhulled, are sown to the acre. It is a vigorous grower and soil improver, especially on poor, worn-out land, where an ordinary crop will not grow. As with Alfalfa and Cowpeas, stock may not eat it readily at first; but from the amount that is being fed in many states, it is apparent that their dislike is overcome. Sweet Clover disappears under ordinary mowings, as it lasts only two years under such conditions, but if left to seed itself, will last ten to fifteen years.



Field of Sweet Clover

Price, unhulled seed, 1 lb., 50c; parcel post paid.

Price, re-cleaned hulled seed, 1 lb., .60c; parcel post paid.

GRASS SEEDS

Sudan Grass One of the most remarkable forage crops grown. Sudan is probably the wild original form of the cultivated Sorghums. It is a tall annual grass growing under favorable conditions to a height of 6 to 10 ft., but when broadcasted thickly, it grows only 3 to 5 ft. high. The stems are fine, the largest stalks seldom larger than a lead pencil. Where the plants are scattered, they stool abundantly, as many as 100 stalks coming from a single root. In general appearance, Sudan Grass is very much like Johnson Grass, but they are entirely distinct, for Sudan Grass lacks root stocks, and, therefore, never becomes troublesome as a weed. The stems are leafy, erect, and seldom lodging. The grass cures easily, making hay of excellent quality, which is readily eaten by all kinds of live stock.

How to Plant Use 5 lbs. per acre if in cultivated rows; 10 lbs. per acre in drills, and 20 to 30 lbs. per acre broadcast. It should not be planted until all danger of frost is past and the ground thoroughly warm, as the young plant is tender.

Harvesting The crop should be cut as soon as the grass is fully headed, and early cutting is advised where the crop is to be used for hay. If grown for seed it should be cut when the seed is ripe and fully matured. It may be harvested with a mower or grain binder. If planted in drills it can be readily harvested with a corn binder. When sown for seed it is best to bind it as it is much easier to handle in threshing. Price, 1 lb., 40c; parcel post paid.

Bermuda Grass A Southern grass that delights in sunshine and warmth. It is extensively cultivated in this section of the country for lawns. Very valuable for pasturage as well as for hay crop. Grows vigorously during the hot summer months when other grasses are parched and dead. On good soil will furnish two or more cuttings and frequently four tons of hay to the acre. It is very difficult to eradicate when once well established. The seed should be sown in February, March and April at the rate of 8 to 10 pounds per acre. A rainy or damp day is the best time to sow. As the seed is small it should be lightly covered. They will remain dormant possibly 30 days in the ground until proper time to germinate. Sound, clean seed. Price, 1 lb., 75c; parcel post paid.

Red Top or Herds Grass Sow in February, March and April, eight to ten lbs. to the acre. A valuable grass for moist soils. It is a good permanent grass, standing our climate as well as any other, and consequently well adapted to our pastures, on which it should be fed close, for if allowed to grow up to seed the cattle refuse it. On moist rich soil it will grow 2 feet, and on poor, gravelly soil about half that height. It has been grown successfully even on "alkali" bottom lands, where other grasses failed. We do not handle the chaffy grade of Red Top, and offer only clean seed. Price, 1 lb., 35c; parcel post paid.

Orchard Grass One of the best of the cultivated grasses. Fine for pasturage and hay. Sow broadcast in early spring or fall months, using 1½ bushels per acre. Price, 1 lb., 50c; parcel post paid.

Tall Meadow Oat Grass A most valuable grass; grows 3 to 4 feet high; very desirable for meadows. Sow 30 lbs. per acre any time in the early spring or fall. Price, 1 lb., 50c; parcel post paid.

Timothy Eight to ten lbs. to the acre. As a crop for hay, Timothy is probably unsurpassed by any other grass. It is greatly relished by all kinds of stock, especially horses. It yields more nutritive matter than any other grass or forage plant. It is not suited for a permanent pasture as it will, in the course of a few years, run out. It is, however, well adapted to early spring grazing, as it starts up quickly in the spring and in favorable weather can be pastured in the autumn as well. The largest crops of hay are raised on rich land. It is not suited for light, sandy soil as well as some other grasses. Price, 1 lb., 30c; parcel post paid.

PRICES

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SPRAY PUMPS

We have the most complete line in the city. Call and see the Barrel Sprayers, Portable Sprayers, Compressed Sprayers, Hand Sprayers, Bucket Sprayers. Best makes at reasonable prices.



Sudan Grass

GRASSES—Cont'd.

Kentucky Blue Grass Sow in early spring or fall, using 2 to 3 bushels of seed to the acre broadcast. Well adapted for lawns. Pound will sow 20x25 feet. Price, 1 lb., 50c; parcel post paid.

Canada Blue Grass A little coarser, but more hardy than the Kentucky Blue. Sow 30 lbs. to the acre any time in the spring. Price, 1 lb., 45c; parcel post paid.

Meadow Fescue (Randall Grass) An excellent pasture grass. Sow 30 lbs. to the acre in early spring or fall. Price, 1 lb., 35c; parcel post paid.

English Perennial Rye Grass It succeeds in almost any soil. Sow 30 to 40 lbs. to the acre. Price, 1 lb., 30c; parcel post paid.

Italian Rye Grass Especially recommended for pasture. Sow 40 lbs. to the acre in spring or fall. Price, 1 lb., 30c; parcel post paid.

Evergreen Lawn Grass Evergreen Lawn Grass will form a rich, deep green, velvety lawn in a few weeks' time. It is composed of various grasses that grow and flourish during different months of the year, so that with proper care and attention a beautiful green lawn can be had all the year round.

Sow at the rate of 60 to 70 pounds per acre, or for small yards one quart to 300 square feet. Price, 1 lb., 45c; parcel post paid.

Shady Spot Lawn Grass A special mixture of grasses adapted for shady situations. Price, 1 lb., 50c; parcel post paid.

Sunny South Lawn Grass Mixture In the South and in other dry locations the use of ordinary lawn grass seed does not always produce satisfactory lawns. We have prepared a Special Mixture that is especially suited for these hot, dry locations, and with care and attention and regular watering Sunny South Mixture will produce satisfactory lawns under the most exacting conditions of weather and soil. Price, 1 lb., 80c; parcel post paid.

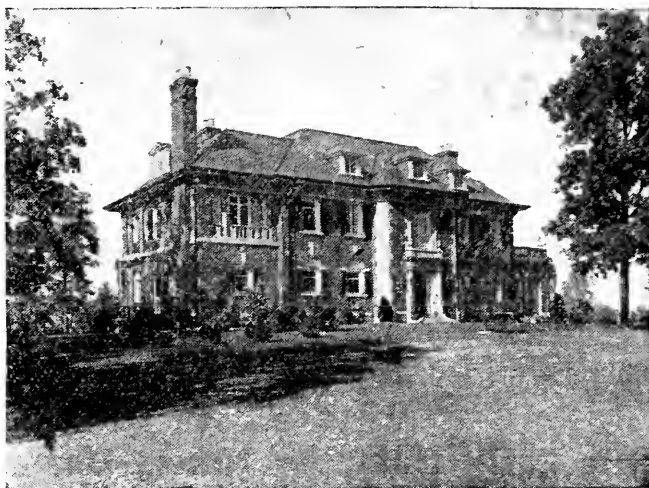
Permanent Pasture Grass Mixture Furnishes pasture all the season from early spring through the winter. Sow in early spring or fall, using 1½ bushels to the acre. Price, 1 lb., 40c; parcel post paid.

Permanent Meadow Grass Mixture A special mixture for a lasting hay crop. Sow in spring or fall, using 1½ bushels to the acre. Price, 1 lb., 40c; parcel post paid.

Permanent Hog Pasture Mixture A combination of mixed clover and best grass suitable for hog pasture. Sow in early spring or fall at rate of 1 bushel to the acre. Price, 1 lb., 45c; parcel post paid.

Chicken Pasture Mixture A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September at the rate of 30 lbs. to the acre. Price, 1 lb., 35c; parcel post paid.

Timothy and Alsike Mixed Suitable mixture for wet lands, furnishing good pasture and hay. Sow in early spring and fall 15 lbs. of the mixed seed per acre. Price, 1 lb., 50c; parcel post paid.



Our Evergreen Lawn Grass Seeds Make Beautiful Lawns

"Billion Dollar Grass"

ESPECIALLY VALUABLE FOR SILO AND FOR FEEDING GREEN—BETTER THAN THE BEST CORN FODDER.

From Japan, that mysterious country, which is furnishing (and has furnished in the past) many rare farm seeds, comes this remarkable grass—remarkable in a hundred different ways, for there is nothing known to man today that is more luxuriant, more prolific, more marvelously rich and vigorous in growth than Billion Dollar Grass. It will produce a hay crop in from six to ten weeks, anywhere, and if sown the first of May it will be ready to cut the middle of July for hay.

Hogs and their families. The hogs grunt and give that contented swag of the tail when they can pasture on Billion Dollar Grass.

Cows, calves and other stock look with pleasure on the Billion Dollar Grass pasture and feed in contentment upon its luxuriant swath and glory in Billion Dollar Grass hay.

You can get two or three rich crops from the same annually, and then a big lot of fodder besides. If you sow early you will get from 26,000 to 50,000 pounds of fodder, which you can put in your silo or cure for hay. Billion Dollar Grass will quickly spring up again and give you another yield that will astonish the country. This can be cut again for hay; then the field will give you a pasturage all fall, and horses and hogs and sheep and cattle and poultry will eat it greedily. Sow in April, May and June on good soil, using 20 pounds of seed broadcast to the acre. Price, 1 lb., 30c; parcel post paid.

PRICES

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You can't beat the "Billion Dollar Grass" for production

SUBSTITUTIONS

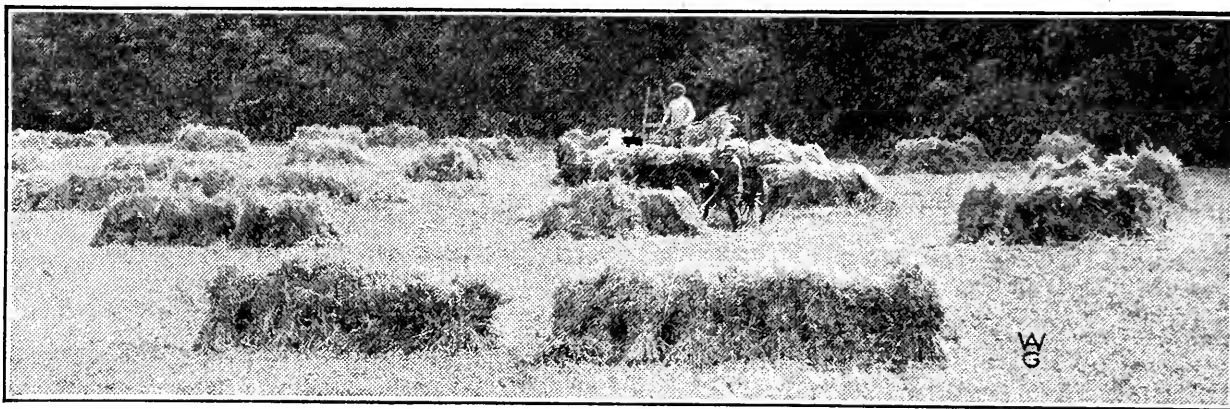
Our rule is not to substitute unless we are given permission to do so. We would suggest, however, that customers name a second choice, in case we are out of variety ordered. We are amply provided with large quantities of everything on the list, but may run short on some before the season is over, as the demand for certain articles is frequently larger than we could anticipate.

SIX REASONS WHY YOU SHOULD SOW SWEET CLOVER

1. It will produce a greater cash income per acre than any other crop.
2. It cannot be equaled for pasture.
3. It is the greatest soil builder known.
4. It will thrive on any soil.
5. It is the means of inoculating your land to secure a stand of Alfalfa.
6. It is the King of the Clover Family, and to sow it once is to become convinced.

SEED OATS

Sow two bushels of any of the following varieties to the acre. Plant in February or March. Apply 300 lbs. of Duplex Basic Phosphate to acre at time of seeding. It will increase your crop.



Field of Early Burt, or Ninety-Day Oats

Extra Early Burt, or Ninety-Day Oats

The quickest growing and most prolific yielding Spring Oats. The Extra Early Burt Oats handled by us is the genuine Tennessee grown stock. Is a sure header, coming to maturity ten days to two weeks earlier than the rust-proof or other varieties. Burt Oats are the best poor land oats known, also the safest and earliest to plant in the winter and spring. Thorough preparation of the soil should be made before sowing oats. No less than two bushels of Burt Oats should be sown to the acre, and where they are to be cut for hay three bushels will be found profitable. Prices quoted on Green Ink List enclosed.

Texas Red Rust Proof Oats The strain of this popular old favorite that we have is direct from the best growers in Texas, which is considered the most reliable for Southern planters. The grain is heavy, bright, and of fine quality. Prices quoted on Green Ink List enclosed.

Genuine Fulghum Oats Very hardy, rust proof, very heavy grain. Prices quoted on Green Ink List enclosed.

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Tennessee Golden Millet

MILLET S

Tennessee Golden Millet Our Southern Grown Millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay when it begins to show the heads. Plant 1½ to 2 bushels to an acre broadcast. Plant from April to August.

The sowing of Southern Millet with cowpeas for a hay crop is increasing in favor each year. When this is done, use an early variety, such as Whippoorwill or New Era, sowing about ¾ to a bushel of millet with one bushel of peas to an acre. Price, 1 lb., 25c; parcel post paid.

Western Golden Millet This variety is very similar to the Tennessee Golden; however, it does not produce quite as much hay, and the heads are not quite so large. Price, 1 lb., 20c; parcel post paid.

Hungarian Millet For good, low grounds; on rich soils this makes even a more valuable crop than the Golden Millet. It is of fine growth and makes excellent hay. Price, 1 lb., 25c; parcel post paid.

Pearl or Cat-tail Millet It is largely used by dairymen. It furnishes them green food throughout the summer. Should not be planted before May in warm soils, as it is a tropical plant when it has reached the height of three to four feet, when it will stool out enormously and make a rapid growth. In this way three or four cuttings a season can be obtained. It can be fed either green or cured as dried forage, making a most nutritious feed which is relished by all kinds of stock. Sow 5 lbs. per acre in drills 3 feet apart or broadcast at the rate of 20 to 30 lbs. per acre. Price, 1 lb., 50c; parcel post paid.

PEANUTS

Culture Prepare the ground well, laying it off in rows with a shovel plow; the rows should be 3½ feet apart, and put two kernels to the hill, which are about one foot apart. Cultivate thoroughly and keep the land as level as possible. One and one-half bushel of unshelled nuts will seed an acre.

Spanish In addition to their value for growing for nuts, these are very largely used in the South as a forage and fattening crop for hogs and other stock. They are early to mature, very productive, and in the far South, where they can be planted during March and April, two crops can be made in one year, the second crop being planted early in July, the tops making a hay crop and the nuts a grain crop. They grow more compact than the Virginia Peanuts, making it possible to grow them closer, making the cultivation easier also. This variety frequently yields sixty bushels of marketable peanuts and two tons of hay per acre. Price, 1 lb., 30c; parcel post paid.

Tennessee Red The finest variety grown. Especially adapted to the black, waxy land as well as the sandy soil. The nuts contain three large kernels in each and are enormously productive. Price, 1 lb., 35c; parcel post paid.

Mammoth Bush Peanuts This is the largest peanut grown. The pods measure an average of 2¼ inches in length and 1¼ inches in diameter; thick shelled and deep ridged. The kernels are light color, 1½ inches long and ½ inch in diameter; splendid bearer; a dozen of the peanuts have been known to produce a bushel. Price, ¼ lb., 25c; 1 lb., 75c; parcel post paid.

Mammoth White Virginia Largest size; white variety. Price, 1 lb., 35c; parcel post paid.

1920 Calendar On receipt of five names of people in your community who would be interested in receiving our Annual Seed Catalog, we will mail you one of our 1920 CALENDARS, which is very complete in every detail.

SUBSTITUTIONS

Our rule is not to substitute unless we are given permission to do so. We will suggest, however, that customers name a second choice in case we are out of variety ordered. We are amply provided with large stock of everything in our catalog, but may run short on some before the season is over,

as the demand for certain articles is frequently larger than we could anticipate, so be sure to state what you want as second choice, should we be unable to furnish you item you order.

CANE

Texas Seeded Ribbon Cane This Cane gets its name from being a variety that closely resembles the true Ribbon Cane, raised from cuttings. It makes the finest kind of syrup. Price, 1 lb., 35c; parcel post paid.

Japanese Honey Cane This variety of Cane is without a doubt the best all-round Cane for the Southern farmers. It is the very best syrup producer of all of the varieties and is also a splendid forage crop for green feeding, making excellent hay if sown in drills very thick, and may be planted any time between April and August. It grows 10 to 12 feet high and is very prolific, sometimes producing five to seven stalks from one seed. Matures about the middle of August to October, owing to time of planting, but will keep green and stand, if desired, until killed by frost, allowing the farmer to take his own time to harvest for syrup. As a syrup producer it has no equal, being exceedingly juicy and sweet, making from 200 to 400 gallons per acre, highly flavored. Price, 1 lb., 35c; parcel post paid.

Early Orange A variety well adapted for the South. It is from 8 to 10 days later than the Early Amber, and produces a syrup of excellent quality. Price, 1 lb., 25c; parcel post paid.

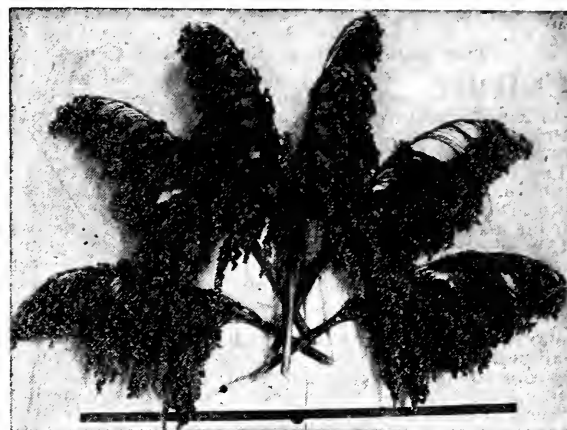
Early Amber Farmers and stockmen say that the Early Amber Cane is the most valuable fodder plant in existence. It is profitably grown from Manitoba to Mexico on any good corn ground, and is but little affected by drouth. Price, 1 lb., 25c; parcel post paid.

Red Top Sorghum Grown extensively in Middle Tennessee. Very sweet and one of the best for hay. Price, 1 lb., 30c; parcel post paid.

White Kaffir Corn Grows 4 to 5 feet high. The stems are very leafy and keep green and brittle, unlike other sorghums, which harden. Make excellent fodder, either green or dried. For grain, sow 5 pound to the acre in rows 3 feet apart. For fodder, sow from one-half to one bushel, either broadcast or in drills. Price, 1 lb., 25c; parcel post paid.

Red Kaffir Corn Grows taller than the white; stalks slender, juicy and very leafy. The seed is red, smaller than that of the white, and hard and brittle. Ripens earlier than that of the white and yields much heavier. Price 1 lb., 25c; parcel post paid.

Egyptian Wheat or Shallu A valuable new grain, entirely different from wheat. The heads are large and heavy. All stock love it, and do well on it. With milch cows it is superior to cotton seed for milk and butter. It makes hens lay better than any poultry food. The plant produces more and better fodder than cane. It will stand more wet or dry weather than maize or cane. We don't believe there is such a thing as failure with it. Plant in drills 3 feet apart, using ten pounds of seed per acre, or broadcast, using from two to four bushels. Price, 1 lb., 30c; parcel post paid.



Egyptian Wheat

Yellow Milo Maize A non-saccharine sorghum of high value; cultivated like corn. It is a vigorous grower, of deep green color, attaining a height of 8 or 10 feet. Some stalks develop 20 heads. The seed is fed to horses, cattle, chickens, etc. It will mature its main head in 100 days and will continue growing until frost. Plant in April, May or June 4 to 5 lbs. of seed to an acre in drills. Price, 1 lb., 25c; parcel post paid.

Feterita This wonderful new non-saccharine sorghum is somewhat similar to Kaffir corn, with the exception that the grains are somewhat larger and softer than Kaffir corn, and it is preferred by many on this account for feed in the head. It is about three or four weeks earlier than Kaffir corn, and has made good crops this season beside the same fields planted with Kaffir corn, while the Kaffir corn produced very little, if anything. It is undoubtedly the most drouth-resisting of any of the sorghum family. Sow in April or May, in drills, 3 pounds to the acre. Price, 1 lb., 25c; parcel post paid.

Schrock—Kaffir-Sorghum Schrock Kaffir-Sorghum is unlike other grain sorghums for the reason that the seed will germinate readily when the ground is cold, and this is a great advantage in getting early feed and ensilage for silos. The seed should be sown in rows 3 feet apart; 3 lbs. of seed is sufficient to plant an acre. For the best results it should be planted as early as corn. If planted early it will make three to ten heads on every plant. Plant the seed at least 2 inches deep. Price, 1 lb., 35c; parcel post paid.



Kaffir Corn—The Drouth Resister

PRICES

Account catalog going to press before spring market has been established on all field seeds, we are unable to quote quantity prices on this page. For current prices see Special Green Ink price sheet enclosed.

TREAT 'EM RIGHT

May 2, 1919.

Gentlemen:

My neighbor, Mr. A. McNeil, says he has been buying plants, etc., from you for several years and that you give a square deal, so please enter my order for one thousand Nancy Hall Slips, to be shipped by express.

Yours truly,

H. C. MCGILL.

TREAT 'EM RIGHT

May 6, 1919.

Gentlemen:

I received my Potato Plants a few days ago, and am well pleased with them.

Please send me one thousand more plants and oblige,

Yours truly,

W. M. COCKRELL.

SOY or SOJA BEANS

The King of Summer Forage Crops

Culture The land should be prepared as for cowpeas, and the seed planted in drills at a sufficient distance to permit one or two cultivations. One bushel of seed will plant two or three acres, the amount depending on the distance between the rows. The planting should be shallow, never more than two inches, or many of the seed will decay. This is a very important point to remember. Inoculation with soil from any old soy bean field is not usually necessary. If wanted for hay the crop should be cut when the upper leaves begin to turn yellow, but if wanted for seed the gathering should be delayed until nearly all the leaves have fallen. The hay is easily cured and is nearly as nutritious as alfalfa hay. The seed planted in drills at a sufficient distance to permit cultivation, using from 25 to 40 pounds per acre. It is also sown broadcast at the rate of one bushel to the acre. Soy Beans may follow a crop of rye or barley. Sowing thickly will prevent the stalks from growing too coarse, and will enable them to be harvested and cured to better advantage. Drill in corn rows. One peck to the acre will help the soil and make fine hog pasture.

Mammoth Yellow Sojas The largest growing and most popular of soja beans for forage purposes. A little later in maturity than other kinds, but makes larger yields, both of forage and seed. Price, 1 qt., 40c; parcel post paid.

Ito San Soy A very early variety, also very prolific. Has fine stems which enable it to cure for hay quicker than other varieties. Price, 1 qt., 50c; parcel post paid.

Velvet Bean The great nitrogen gatherer. A worthy rival of the Cowpea. This new forage plant is creating a great sensation in some sections. Claims are made that its nitrogen gathering properties surpass those of the Cowpea. It is the rankest grower of all the legumes. Drilled $\frac{1}{2}$ bushel per acre in rows four feet apart, they will cover the ground one to two feet deep with a mass of foliage and vines ten to twelve feet long, no matter how poor the soil.

Osceola This new velvet bean has several advantages over the early speckled varieties. It is free from the stinging fuzz or velvet on the pods, which makes the other varieties very unpleasant to handle. It has larger beans and pods, making them less expensive to gather, and is also much earlier than most of the other



beans. It is two weeks earlier than the Early Bird. Commences to get ripe about September 1st. Price, 1 qt., 45c; parcel post paid.

Early Bird Speckled This early speckled Velvet Bean is a variety that matures in 90 to 100 days, and can be grown in almost any part of the South. The Early Bird Bean may be planted in April or May, in the drill with corn, or in rows close to the corn, preferably after a rain, and cover shallow. The cultivation of the corn does the rest. The bean will begin to mature in July and will about have finished maturing October 1st, or before frost in any section of the Southern States. Price, 1 qt., 40c; parcel post paid.

Canada Field Pea The foliage and habit of growth is quite similar to the Garden Peas. It is sometimes grown alone, but the most satisfactory results are secured by using with oats, rye or barley. It is good feed, either green or dry, for cattle. Sow 60 to 90 pounds of seed to the acre. Price, qt., 35c; parcel post paid.

COWPEAS

Sown in May, June and July, at the rate of one to one and one-half bushels to the acre.

The value of cowpeas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased, there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cowpeas make excellent hay.

California Large Black Eye White Peas This variety is as forage and soil-improving crop, but the dried peas are readily salable as table peas during the winter.

Whippoorwill A favorite early bunch-growing variety. Seed is reddish brown speckled. A great favorite on account of its early maturity.

New Era An early, upright-growing variety; the seed is smaller. It is not inclined to run. Matures in sixty or seventy-five days.

Black Stock This is a large, late-vining variety. The vines grow very long; best for thin land.

Clay Very similar to the Unknown, but earlier; vigorous growth, very popular.

Red Rippers Peas One of the most prolific varieties of Cowpeas. Vines grow long; makes an abundance of hay.

Wonderful or Unknown Peas On account of the great growth of vines, this variety is especially valuable. Matures late and requires a full season to give best results.

Brabham Peas One of the best and most productive in growth and yield of shelled peas. It is a small, hard, speckled pea, about the size of the Iron and New Era. Will make two crops.

Iron Peas Sometimes called Grey Goose. Gives splendid results.

Groit Peas A fine new variety; early maturing. Resembles New Era in appearance and size of seed, but makes a larger growth. A heavy yielding variety.

Mixed Cowpeas Preferred by many farmers where the crop is intended for soil-improving; they will grow thicker than separate varieties, producing better crop of vines and forage.

White Cream or Lady Peas Fine for table use and a great soil enricher. Peas small in size. Very prolific. Better to eat than Black Eyes.

Gray Crowder Peas Very prolific and an excellent variety for table use.

Crops very short, therefore we are unable to quote at this time. Write for prices on larger amounts when ready to buy.



Osceola Velvet Beans

DWARF ESSEX RAPE

The Most Profitable Pasture Plant in Existence

Rape is one of the quickest and cheapest pasture crops for sheep, young cattle, poultry and hogs.

One acre of Dwarf Essex Rape will pasture more hogs, cattle and sheep than six acres of grass or clover. As a healthy, fattening pasture food it has no equal. It stands without a rival in cheapness and effectiveness.

It is an annual, bearing a close resemblance in leaf and stalk to the Rutabaga, but both leaves and stalk are more numerous in the Rape plant, and of a taller habit of growth. It is a pasture plant which may be eaten off by any kind of live stock, but it is pre-eminently fitted to furnish pasture for sheep, cattle and swine.

A good crop will furnish at least 12 tons of green food, and its nutritive value is twice that of clover an acre. One acre of well grown Rape will furnish pasture for twenty head of sheep, for two months, and will fatten them in good form for market. Dwarf Essex Rape thrives best on a good soil, rich in vegetable matter. Slough lands are excellent. This plant may be grown successfully in the following ways, viz.: 1. In the early spring to provide pasture. 2. In June or July, on well prepared land, to provide pasture. 3. Along with grain, using 5 lbs. of seed an acre, to provide pasture for sheep after harvest. 4. Along with peas, oats, clover seed, to provide pasture to get a "catch" of clover. 6. As a cover. Price, 1-lb., 30c; parcel post paid.

Speltz Grows tall like Rye and matures early like Barley. Makes an enormous yield of grain and straw. All kinds of stock will eat it greedily. The straw is considered by a great many to be nearly as good as hay. Makes good pasture. Stands drouth better than other grain. Sow at the rate of 75 to 100 lbs. per acre, in fall. Price, 1 lb., 25c; parcel post paid.

Beardless Barley A new beardless barley; earliest barley known, about ten days earlier than other kinds. A good yielder, six-rowed and strictly beardless. It can be handled as easy as oats. This barley is not strictly pure and has a few bearded heads in it. Price, 1 lb., 25c; parcel post paid.

Hairy Vetch This valuable forage plant yearly attracts more attention. It is one of the most nutritious of all vegetable products. For pasturing or feeding as green fodder it is very valuable, and nearly equal to clover for fertilizing. Sown with grain it requires 1 peck of seed to each acre. Sow in September and October. Price, 1 lb., 60c, parcel post paid.

Augusta Vetch This, like Field Peas, is used for both green fodder and for plowing into the soil. In this latitude it can be sown only in the spring and is more largely used in this season than the Hairy Vetch, which may be sown either in the spring or fall. Thriving better on rather poor soil than Canada Peas, its use is rapidly increasing as a green fodder crop. Price, 1 lb., 30c; parcel post paid.

Chufas Much used to fatten hogs. Plant in April, 12 inches apart, in 3-foot rows. Should be soaked before planting. One peck of seed per acre. Price, 1 lb., 40c; parcel post paid.

Teosinte Teosinte is a forage crop, somewhat resembling Indian Corn in appearance. The leaves, however, are not so broad and large and the stalks contain sweeter sap. It makes a large yield of fodder, much relished by all stock. After being cut it stools out enormously. The first cutting can be made when the plant is 2 to 3 feet high. The seed is slow in germinating, but once started grows rapidly. Sow in drills 2 to 3 pounds per acre, 3½ to 4 feet apart. Sow during the last of May or in June. Price, 1 lb., 90c; parcel post paid.

BUCKWHEAT

Sow 3 pecks to 1 bushel to the acre.

Buckwheat is not considered exhaustive to the soil. As a m othering crop, where the land contains objectionable weeds, it is



Whipporwill Cowpeas (See page 38)



One Plant—Dwarf Essex Rape

very desirable, and it puts the soil in admirable condition for any crop that is desired to use for rotation.

It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees.

Japanese It proves to be two weeks earlier than Silver Hull, both being planted at the same time. Kernels are peculiar and distinct. Makes a superior grade of flour.

Silver Hull Grain silvery gray in color. Rounder than common buckwheat, is earlier, has thinner husk, and yields more. Price, either variety, 1 lb., 25c; parcel post paid.

BROOM CORN

Improved Evergreen An excellent variety of good length; has fine, straight straws and of greenish appearance after being cut. Sow in April, 1 gallon to the acre. Price, 1 lb., 25c; parcel post paid.

Oklahoma Dwarf Straight, stiff stems and leaf; markets readily, as it never shows any crooked or bent straw. Price, 1 lb., 30c; parcel post paid.

Upland Rice A valuable crop, more easily grown than corn, and is relished by all kinds of stock. Prepare the land and cultivate as for corn, using a bushel of seed per acre. Plant the seed in drills 24 inches apart. Price, 1 lb., 50c; parcel post paid.

Flaxseed Sow in April or May, 30 lbs. per acre. Price, 1 lb., 25c; parcel post paid.

Artichoke Jerusalem Excellent for fattening hogs; plant in rows 4 feet wide, any time in March and April, dropping the tubers 18 inches apart in the row; immensely productive; 3 bushels will plant an acre. Price, 1 qt., 35c; parcel post paid.

Spring Wheat Early Beauty

A beardless good yielding Spring Wheat. Sow 1½ bushels per acre, as early in spring as possible. Price, 1 lb., 30c; parcel post paid.

Castor Beans Are largely grown in the South. Will do well on any good corn land. One bushel plants 15 acres. Price, 1 lb., 60c; parcel post paid.

Russian Sunflower Plant in March, April and May, 6 lbs. of seed to the acre, making rows 3½ feet apart, dropping two seeds every 18 inches; cultivate like corn. Price, 1 lb., 35c; parcel post paid.

PRICES

Account catalog going to press before market has been established on all field seeds, we are unable to quote quantity prices on this page. For current prices see Special Green Ink Price Sheet enclosed.

RUSSELL-HECKLES SELECTED SEED CORN

Corn is one of the most important crops, not only in the United States, but of the entire world. A good crop in the United States represents a farm value twice as great as the cotton crop. The South does not grow enough corn, mainly on account of the soil, but a great deal of the short yield can be traced to poor and unselected seed. We make a specialty of Fine Seed Corn, sell it cheap, so there is little excuse in not planting the best. Plant in April and up to July 15th; 4 to 6 quarts will plant 1 acre; rows should be 4 feet apart; plant 2 to 3 grains 2 feet apart in the row, thin to one stalk. Cultivate shallow. Use 300 lbs. Duplex Basic Phosphate to an acre.

All quotations are subject to important market changes. Special prices quoted on large amounts.

Neal's Paymaster Corn This corn was originated in Williamson county, Tennessee. The grains and cob are pure white; the grains are deep, broad and set very solid on the cob, which is medium size. The stalks grow from 8 to 10 feet high. The ears are very uniform in size and shape, running from 9 to 12 inches in length, containing 16 to 20 rows, and averaging in weight from 1 pound to 1 1/4 pounds. This is a highly bred corn, containing a high percentage of protein. Maturing about medium, it is well filled at both butts and tip. Every stalk bears two well-developed ears. Qt., 35c; gal., 85c; parcel post paid. Not prepaid—Qt., 25c; 4 qts., 70c.

Surecopper White On account of its ability to make a crop, in spite of dry weather and adverse conditions, it is extremely popular with all corn growers. This corn does equally well when planted late or early. During 1918 a field of corn (Surecopper) was planted in Texas, and in spite of a long continued dry period that summer, and the further fact that the corn was greatly weakened by a destructive hail in the spring, the Surecopper of the March planting made a crop of exceptionally well developed and well filled, sound, smooth ears of corn. A field of it planted on June 23rd made over 25 bushels to the acre. It is truly a remarkable variety and seems to thrive on both poor land and rich, during dry weather and wet weather, and when planted early or late. Surecopper makes a medium height; strong, stocky stalk; bears two and three medium sized ears, with very broad, wedge-shaped kernel—about 82 to 85 per cent grain. Fields of Surecopper usually contain remarkably few barren stalks, a large percentage of stalks bearing two good ears. Price, qt., 45c; gal., \$1.00; parcel post paid. Not prepaid—Qt., 35c; gal., 85c.

Tait's White Dent A pure white early corn, bearing two good ears to the stalk, maturing in 90 to 100 days. The cobs are unusually small for the size of the corn. The ears are medium sized, 14-rowed, and can be planted much thicker than a large corn and yet bear full-sized ears. Plant it for early crop as it makes before summer drouths. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 65c.

North Carolina White A fine variety of white field corn. It is very hardy and can be planted very early as well as late. Qt., 40c; gal., 90c; parcel post paid. Not prepaid—Qt., 30c; gal., 75c.

Mosby's Prolific This is a Southern corn, and is recommended for general crop. It is purely white, small cob, deep full grain, neither too hard nor too soft, and



Surecopper Seed Corn

stands crowding in the drill as close again as any other kind. Ears of medium size, but long. Qt., 40c; gal., 90c; parcel post paid. Not prepaid—Qt., 30c; gal., 75c.

Cocke's Prolific This variety holds the highest record, and will in the near future break its own—150, 175 and 200 bushels per acre. This small Corn has two to five perfectly formed ears with a peculiar droop so dear to scientific Corn growers. It has a low, stout stalk, medium early, medium-sized ears, pearl white grain in straight rows. The weevil bothers this variety very little on account of the hardness of the grain, which is of good size, short, flat and almost round; very flinty. This corn is evenly lined on a white cob of good size, often attaining the length of 12 inches. Matures in 140 days. Unexcelled for meal and hominy. Qt., 40c; gal., \$1.00; parcel post paid. Not prepaid—Qt., 30c; gal., 85c.

Hickory King 100 days. The cob is very small, grain broad, white. Does well on thin land. It ripens in from 100 to 110 days from time of planting. The stock we offer comes from a breeder who took first prize at Tri-State Fair with this corn. This is something fine. Qt., 35c; gal., 90c; parcel post paid. Not prepaid—Qt., 25c; gal., 75c.

Tennessee White Red Cob A large-eared, red cob corn; grain deep and large. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 65c.

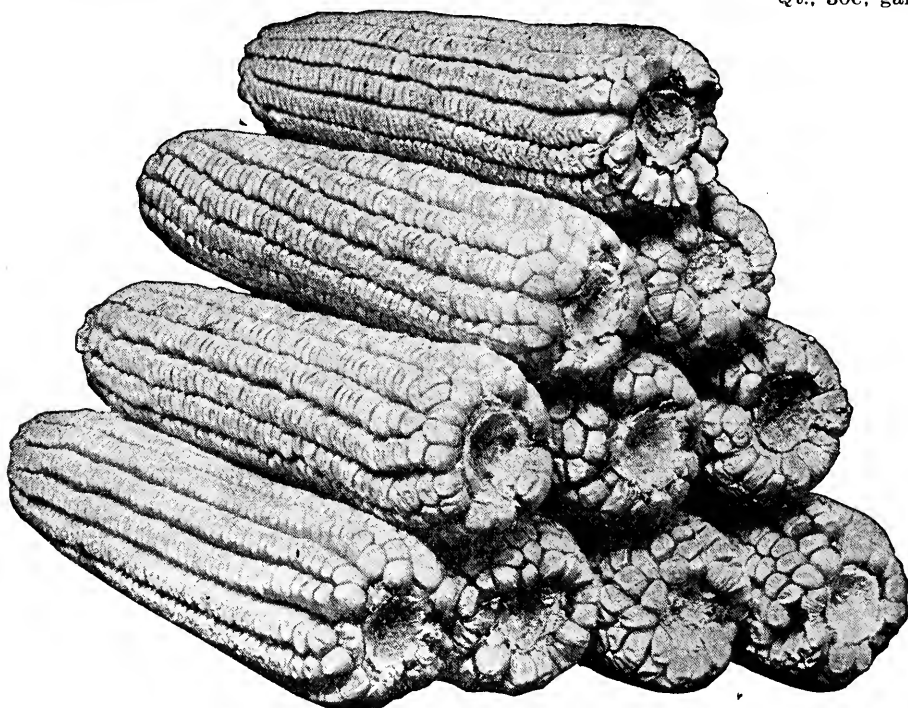
Iowa Early White Dent

One of the earliest. Planted on or about March 20, it will be ready to gather by July 1. Qt., 35c; gal., 75c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Goliad Corn A wonderful variety, especially desirable for ensilage. No other corn can equal it for this purpose. Our stock is purest raised, from seed that was grown at Holly Springs, Mississippi Experiment Station. The ears are very large and fill out well to the end. Grows pure white. The stalks and leaves grow very large and luxuriant, and with the very heavy ears, it makes the one good corn for silage. Do not plant the Goliad Corn after the early part of June. Also give this variety ample space. Do not crowd, as it makes heavy foliage and stalk. Qt., 50c; 4 qts., \$1.40; parcel post paid. Not prepaid—qt., 40c; 4 qts., \$1.25.

Iowa Silver Mine A pure white corn that has given universal satisfaction throughout the South; ears 8 to 9 inches long, with 16 to 18 rows. Stalks medium, therefore not liable to blow down. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 65c.

Russell-Heckle's Special Gourd Seed Red Cob Corn This is our own growing, a special stock, the pure white grains are narrow and nearly gourd seeds, and are set on a very small red cob, stalks produce two and three ears. They will average two ears all over the field. It is a big improvement over all other kinds of White Red Cob Corns, having a small cob with long firm grains, that are always sound and plump. Stalks medium, strong and stocky. This special stock is a genuine thoroughbred and you will be delighted with your yield and crop. It will mature in about 100 days. We have taken extra pains in selecting and hand shelling this splendid variety. Our supply is limited this season, so order early. This corn is a beauty, don't miss it. Qt., 50c; gal., \$1.50; parcel post paid. Not prepaid—Qt., 40c; gal., \$1.25.



Cocke's Prolific Seed Corn

CORN—Cont'd.



Field of Mexican June Seed Corn

Yellow Leaming A very early growing corn; matures in about 90 days; always dries out quickly, therefore a desirable variety for early crop. Qt., 35c; gallon, 75c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Ninety-Day Early Yellow Dent A standard variety; quick maturing. Qt., 35c; gal., 75c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Tennessee Mammoth Yellow Also uthern-grown, large-eared yellow corn. Qt., 35c; gal., 80c; parcel post paid. Not prepaid, qt., 25c; gal., 65c.

Brazilian or Stooling Flour Corn This corn, as the name indicates, is inclined to stool, and one grain will produce in many instances more than one stalk. Each stalk bears two or three ears five to seven inches in circumference, nine to twelve inches in length and beautifully white. It produces an abundance of fodder, and is the best variety for ensilage. It yields 30 to 50 bushels of corn per acre, and the ears are fine for roasting, although not sweet. It does not require a very rich soil, and therefore the best variety for poor soils. The kernel contains more starch than any other corn, and ground and bolted by the same process as wheat, gives a fine flour that will make bread, biscuits, etc., the same as the wheat flour. Plant two kernels in a hill and cultivate the same as other corn. Three pounds will plant one acre. Pkt., 15c; Qt., 50c; gal., \$1.65; parcel post paid. Not prepaid—Qt., 40c; gal., \$1.50.

Eureka Ensilage Corn The best known silage maker. Grows tall with an abundance of fodder and averages two good ears on good ground. If you have a silo to fill don't try common seed on poor soil. Plant a small acreage of Eureka and make it rich. Seed for this season limited. Place your order early: can be planted in June or after oats. Qt., 40c; gal., 85c; parcel post paid. Not prepaid—Qt., 30c; gal., 70c.

Mastadon Red or Strawberry 110 days. Produces a large ear, 10 to 12 inches in length, 14 to 16 rows to the ear. Grains large and deep; cob small and red. Makes a large growth of fodder. Is rather late in maturing, preserving its fodder in good shape after earlier Corn is dried up; withstands drouth. It is a white corn, striped or strawberry grains appearing in the ears; hence its name. However, the red grains make white meal, as the color is only on the skin of the grain. It is one of the best Corns for feeding to stock as the kernel contains much more nutritious matter and is much superior to flinty Corns. Qt., 45c; gal., \$1.00; parcel post paid. Not prepaid—Qt., 35c; gal., 85c.

Boone County

White Is a highly bred variety of white corn of extra large size. In many places it is a great favorite. The ears are from 8 to 11 inches long, 7½ to 8½ inches in circumference, containing 18 to 24 rows, weighing from 12 to 18 ounces. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 65c.

Mexican June A strong, robust grower, sending the roots deep into the soil. Stands heat and drouth well. Should be planted in succession from middle of May to end of July. Qt., 35c; gal., 90c; parcel post paid. Not prepaid—25c; gal., 75c.

Pride of the South Yellow

Dent The ears are of perfect shape with from ten to fourteen straight rows of bright golden yellow grains, remarkable in size and filled out completely to the extreme end of the cob. The richness of color and fine quality of grain make it vastly superior for grinding into meal. The grains are not of a hard, flinty nature, neither are they so soft as to be greatly shriveled. The ears are easily shelled, although the kernels are firm on the ear, and in every respect present as perfect a type as could possibly be had. Matures in 100 to 110 days from planting and surpasses all in size and beauty of grain. Qt., 45c; gal., \$1.00; parcel post paid. Not prepaid—Qt., 35c; gal., 85c.

SPECIAL NOTICE

Prices.—On account of our catalog going to press before the market has been fully established on all Clovers, Alfalfa, Grass and Farm seeds, we quote same in our catalog only in small lots. For current prices on larger quantities see our Special Green Ink Sheet enclosed.

St. Charles White Red Cob Makes good stout stalk. medium height, ears 8 inches, pure white grain on medium red cob. Qt., 35c; gal., 75c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

Iowa Gold Mine Large ears; grains are a bright golden yellow; matures in about 100 days. Qt., 35c; gal., 75c; parcel post paid. Not prepaid—Qt., 25c; gal., 60c.

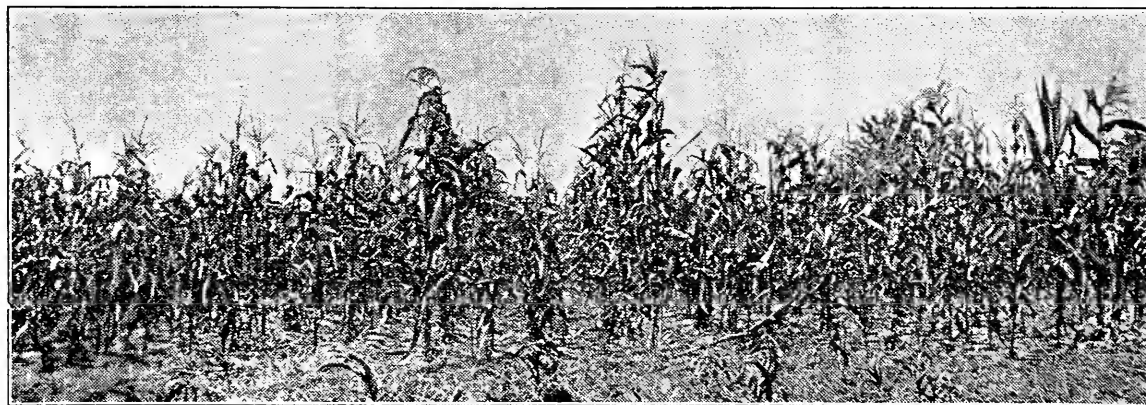
Reid's Early Yellow Dent Ears medium size, light yellow grain and small red cob. Matures in 85 to 90 days. Qt., 35c; gal., 80c; parcel post paid. Not prepaid—Qt., 25c; gal., 65c.

POP CORN

White Rice Very easily popped, tender and white; the best for the market. Pkt., 10c; 1 lb., 30c; parcel post paid.

Queen's Golden A beautiful golden color; pops large, very crisp. Pkt., 15c; 1 lb., 35c; parcel post paid.

Japanese Rice A great many people like to grow Pop Corn, but there is so much difference in the popping qualities of the various varieties that one hesitates to offer anything in this line unless it has real merit. In this variety we have a dwarf growing corn, a heavy yielder of attractive ears, peculiar in form, but the grain is very similar to the best strain of White Rice Pop Corn. The ears are short and thick, and run very uniform. Of a pearly white and the grain is of excellent popping quality and flavor after being popped. Pkt., 15c; 1 lb., 45c; parcel post paid.



Field of Tennessee Mammoth Yellow Seed Corn

RUSSELL-HECKLE'S SELECTED PLANTING COTTON SEED

Prices F. O. B. Memphis, per bushel of 30 pounds, subject to stock on hand. For current prices on large quantities, see Green Ink Price List enclosed. When in market for a carload, telegraph or telephone us for special prices, delivered your station.

SELECTION OF VARIETIES

Since this firm was first organized, the supplying of cotton-seed for our customers and friends has been more than just a department of our business—it has been a matter of great pride with us, and we have given the matter much careful thought and the attention that the importance of the subject demands.

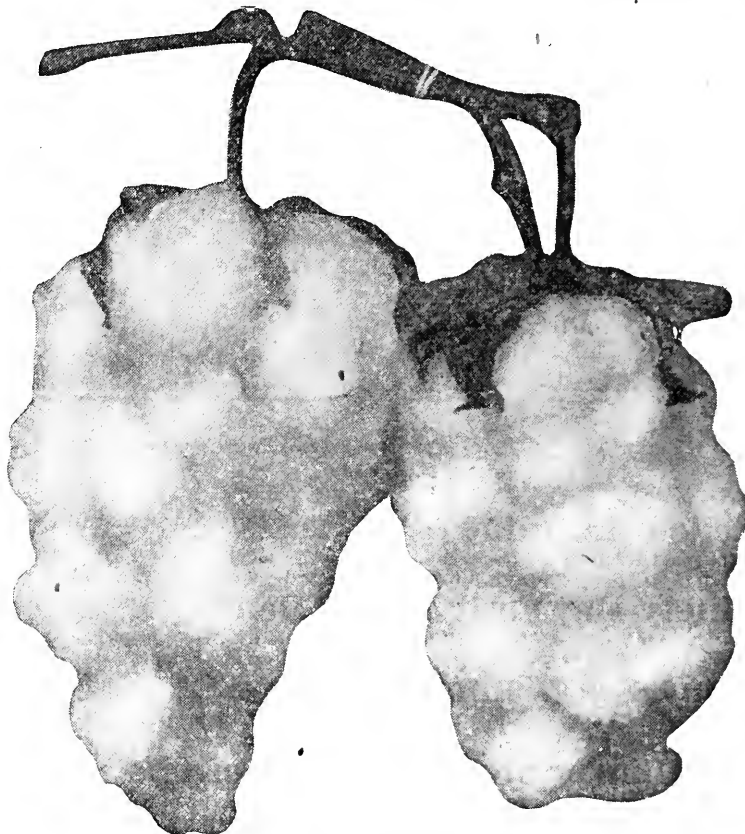
The selection of the variety of seed you plant is not a matter to be treated lightly, for under certain conditions which may prevail in the fall, the choice of variety now may mean the difference between success and failure to you. Certain varieties are suitable to some soils and are unfit for other soils; some varieties do splendidly where there is no weevil present, but absolutely fail under weevil conditions, and so on.

It is here, therefore, that this firm has been of value to its customers—in selecting for them the type of cotton best suited to their needs and conditions. We are thoroughly informed as to the relative value of the different varieties under different conditions, this knowledge being gained through exhaustive study of the results obtained through experiment work under various governmental agencies in different sections and under actual field conditions. We have been urged at various times to take over the exclusive sale of some one variety of cotton, and no doubt we could have "cleaned up" on the proposition, but there is no "one best cotton" for any and all conditions, and we have steadfastly refused such offers, feeling that we can be of better service to our customers by obtaining for them the "pick" of all the standard, tested varieties on the market.

EXTRA EARLY BIG BOLL VARIETIES

Pedigreed Wannamaker Cleveland The originators of this cotton, from whom we buy our seed direct (W. W. Wannamaker & Son in the Carolinas), are the foremost breeders of short cotton in the United States. They have been "breeding up" this cotton for about twelve years, and have spent thousands of dollars in its development. In our opinion, this is the best "all around" Cotton known today, and comes nearer thriving under all soil conditions than any other. It combines the three most desirable characteristics in a cotton—extreme earliness of maturity, high percentage of lint out-turn at gin, and prolific yield in the field. Experiment Station tests covering a period of five years gave Wannamaker Cleveland first place in money value.

Seed are straight brownish color, bolls are large, plants uniform, foliage medium, lint percentage 39%, staple about 1 1/16 inches. Yields of two bales per acre have been made with Pedigreed Wannamaker Cleveland. Price, single bushels, \$5.00.



Pedigreed Wannamaker Cleveland Big Boll Cotton

Wannamaker Cleveland This is stock grown for us from seed obtained from the originators, and is the purest obtainable except our Originators' Pedigreed Wannamaker. This is also Carolina grown, on 866 acres, nothing else planted nor ginned, and the crop averaged one and one eighth bales to the acre. Have you done so well? Price, single bushels, \$4.50.

EARLIEST EXTRA BIG BOLL VARIETIES

Mebane Early Triumph Originated in Texas many years ago, and the best liked cotton there today. Especially adaptable to Louisiana, Arkansas and part of Mississippi. There is an increasing demand for a cotton of medium staple—between the ordinary short varieties and long staple. Mebane is ideal in this respect—will pull from 1 1-16 to 1 1-8, has a strong tough fibre, and is a good "bender." Extra large boll, easy to pick, stands both drouth and storms, the earliest of the big boll varieties, and very prolific. You will make money with this variety. Lint out-turn at gin, 37 to 39%. Price, single bushels, \$4.50.

Rowden Big Boll Also originated in Texas, and almost as much in demand. This has even a little better staple than Mebane Triumph, running a full 1 1-8-inch staple on strong soil, and a few days later than Mebane. A very large balled cotton, very prolific, especially adapted to upland sandy soils and liked especially well in Arkansas, Louisiana, Oklahoma and parts of Mississippi. Price, single bushels, \$5.00.

Cleveland Big Boll East of the Mississippi River this cotton has been planted successfully for years, and is adapted to most any soil. Staple about 1 1-16th, lint out-turn about 37%, bolls very large, and the yield in the field is very fine. This is the cotton from which the famous Wannamaker Cleveland was developed, and has always been a money-maker. Also a good "bender" cotton. Price, single bushels, \$4.50.

Heavy Fruiter This is the cotton for which such sensational claims have been made, and no doubt they are mostly true. Yields of two bales per acre are often heard. The boll is extra large, 40 weighing a pound, and the stalk is simply covered with them from right at the ground on up. Easy to pick, yet storm-proof. Has a splendid root system, which makes it drouth-resistant. Extremely early in maturity for the size of the boll, and has a lint out-turn of 40% to 46%, with a staple of 1 1-8th inches. Such a cotton as this is bound to be a money-maker. Price, single bushels, \$5.00.

TREAT 'EM RIGHT

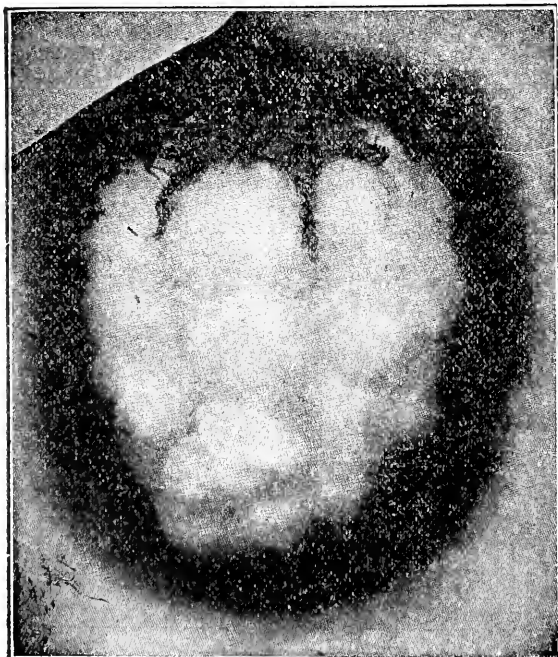
May 14, 1919.

Gentlemen:

The Potato Slips came in this morning and they were O. K. Enclosed find money order for \$2.00 for which send me 500 more Porto Rica Yam Slips.

Yours truly,

TISHICO PURDON.



Mebane Early Triumph Cotton

Russell-Heckle's Selected Cotton Seed



Field of Webber 49 Cotton

EXTRA EARLY MEDIUM BOLL VARIETIES

King's Early Improved It is true this is a very short cotton, but it is not objectionable like Half and Half, and when you remember that it is just about the earliest cotton grown, you can see why it is deservedly popular. Many and many a time King Cotton has pulled farmers "out of a hole" when they had to replant their crop, where they would have failed with a later variety. A very prolific variety, medium size boll, and very prolific yielder; lint out-turn 36%, good. Price, single bushels, \$3.50.

Simpkin's Prolific Originated in Carolina many years ago, and very similar to King. With King, it shares the honor of being about the earliest cotton grown, and can't be beat for replanting. We get our seed of both King and Simpkins from the heart of the growing sections of these varieties in Carolina. Staple about 1 inch, lint out-turn 36%, very prolific in field. Price, single bushels, \$3.50.

Trice This is a Tennessee product and in some sections has been planted to the exclusion of all others. It is as early as King's Improved, but has much better length of staple, running about 1-16. Medium size boll, light foliage. Percentage of line 32%, but very prolific in the field. When you get started late, Trice is especially good to plant. Price, single bushels, \$3.75.

STAPLE COTTON VARIETIES

In the production of staple varieties of cotton, unquestionably the Pedigreed Seed Farms, in Carolina, stand head and shoulders above any competitor. Their work in breeding up their own selections has really been a boon to the cotton industry. It is a pleasure to this firm to announce that we have secured these truly wonderful selections from this source, i. e., Webber 49 and Webber 82, though our stocks are necessarily limited.

EARLY MATURING MEDIUM STAPLES

Express Staple 1 1-8 to 1 3-16 inches, and yet very early in maturity. A staple of this length has been very popular with cotton buyers for some time, and brings quite a premium over short cottons, which makes it very desirable from farmer's standpoint. Of course, the lint out-turn is much less at the gin than short cottons, but the difference in price is all in favor of Express, and on rich, bottom lands this variety will probably pay as well as any you could plant, and money is what we all want. Price, single bushels, \$4.50.

Polk's Improved Like Express, this cotton gives best results on rich, bottom lands, where it produces a staple of 1 1-8 to 1 3-16 inches, bringing a most pleasing premium over short cottons. One bale of Polk (at the time this is written) is bringing as much as 1 1/2 bales of short cotton, so you can see why it is profitable to plant. This cotton will mature as early as most short varieties, another advantage. Price, single bushels, \$4.50.

EXTRA LONG STAPLES

Mississippi Silk This variety of extra long staple has been in great demand throughout the Mississippi Valley since it was originated. It produces a good 1 1/2-inch staple, and has always brought a big premium in price, at the same time making a good yield in the field. Stocks are limited of this variety particularly. Price, single bushels, \$6.00.

EARLY MATURING LONG STAPLES

Webber Number 49 This is far above any other staple cotton on the market today in point of popularity, and deservedly so, for it has made yields and brought prices this past year never dreamed of before. This cotton is the result of years of study and development by the Pedigreed Seed Company, the foremost staple cotton breeders in the United States. They have truly produced a cotton "worth while." Staple 1 1/4 to 1 5-16th, bringing as high as 75c per pound this fall of 1919—think of it! And yet as early as most short cottons; lint out-turn of 33%, large bolls, very prolific in the field. Price, single bushels, \$5.50.

Webber Number 82 Another of the Pedigreed Seed Company's famous developments of Webber Cotton strains. Even longer staple than the Webber 49, therefore a little bit later in maturity, they having worked for the earliness in one and length of staple in the other strain. Otherwise they are the same wonderful cotton. Price, single bushels, \$5.50.



Express Cotton

FRUIT TREES, SHRUBS, ROSES, ETC.

TRUE TO NAME—YOU GET WHAT YOU ORDER

Our trees are first class, superior to any stock that has been raised in this section. We represent one of the largest and most reliable nurseries in the South.

Set out small trees. They are more certain to grow and will bear fruit just as early as any larger or older tree. It is a mistake to reset any tree older than two years.

Orders for trees will be filled as soon as weather permits. It usually requires eight to ten days to get the stock from our nursery. Remember, we will give your order attention at the earliest possible moment.

No orders accepted unless they amount to \$1.00 or more.

Terms are strictly cash F. O. B. Memphis. We do not send out trees or plants C. O. D. under any conditions. We guarantee our stock to be just as represented, and if otherwise, we will cheerfully refund your money. At prices given, all Trees and Plants must go by express at purchaser's expense, excepting where noted otherwise.

SPECIAL NOTICE—If out of the variety ordered, do we have your permission to substitute equal or better in the nearest we can supply? Advise us.

PLEASE READ CAREFULLY

We have arranged all varieties of Apples, Pears, Plums, Cherries and Peaches in **their order of ripening**. You will find this a great help in making up a list to cover the season, from earliest to latest. The dates given apply to this section in most instances. We have listed **only varieties** best adapted to the southern and southwestern states.

PEACHES

Plant 18 to 25 feet apart each way.

First Grade, 3 1/2 feet and up, each, 60c; 10 for \$5.00.

We call particular attention to this reduced list of varieties of Peaches, every one of which can be planted with safety in the South. The varieties are listed in the order of their ripening, and the list, though small, is so complete that it covers the ripening season thoroughly. They are the best of their particular class and season. A good Peach crop is as profitable as an Apple crop and the supply is less than the demand.

Mayflower.—The earliest and one of the very best early Peaches. Fruit round, entirely covered with red; blooms late; very hardy. A native of North Carolina, a good shipper and its high color and fine appearance make it the most profitable early Peach, as it always brings top prices. Last of May.

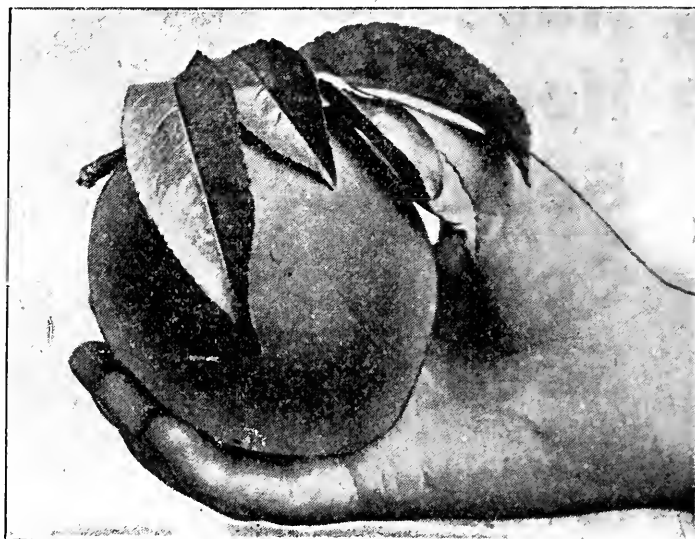
Arp Beauty.—The earliest yellow-fleshed Peach; firm; juicy; excellent flavor; freestone.

Carman.—Large, resembling Elberta; skin tough, creamy white, with deep blush; flesh creamy white, tinged with red; good flavor. A good shipper. Freestone. Middle of June.

Early Belle or Hilley.—A Georgia Peach, supposed to be a cross between Belle of Georgia and Early Tillotson. Large; creamy white, highly colored cheek. One of the profitable commercial varieties of Georgia and now being extensively planted; freestone.

Belle of Georgia.—Very large, white skin, attractive red cheek; flesh white, firm; the standard of excellence of all Peaches in quality; freestone. It is one of the best market varieties of its season.

Elberta.—Known wherever Peaches are eaten. Of Georgia origin, remarkable for its size; firm, yellow flesh and tough skin,



J. H. Hale Peach

making it one of the best shipping Peaches; yellow, slightly over-spread with red; fine red cheek. Freestone. Middle of July.

Chinese Cling.—Very large; yellowish white, mottled with carmine; flesh white, red at tip; a very juicy Peach. Clingstone. End of July.

Blood Cling, or Indian Blood.—Large; dark claret with deep red veins; flesh deep red; middle to last of August.

Krummel October.—A very large, beautiful Peach, ripening about two weeks later than Salway. Yellow flesh; rich yellow skin with dark carmine cheek; freestone. Always finds a good market.

J. H. Hale.—Probably no new Peach has ever been introduced claiming to be so much superior in all ways. It averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor. Color a beautiful golden yellow with deep carmine blush. It has been tested and largely planted in many sections of the country and has proven a better shipper; one of the best freestones.

PEARS

Plant 20 to 25 feet apart.

First grade, 4 feet and up, each, 80c; 10 for \$7.50.

SUMMER PEARS

Wilder's Early.—Small or medium size; yellow with dark red cheek; flesh melting, sweet, good quality. Early June. Tree a strong, shapely grower.

Le Conte.—Good size, bell-shaped; not of high quality, but if picked rather green and matured in a dark, cool room, its quality will be greatly improved. Tree a vigorous grower; bears young.

Seckel.—This little Pear is the standard for flavor. Yellowish russet with red cheek; very juicy and melting. Tree is of slow growth and never attains great size. August.

Kleffer.—Large to very large; yellow, with vermilion cheek; brittle flesh; quality usually poor; greatly improved if ripened in dark, cool room. Matures in September, lasts well into October. Prolific; begins bearing early—the third or fourth year.

Japan Golden Russet.—Fruit of good size, globular in shape; very firm flesh, especially desirable for preserving or canning, not of great value otherwise. Fruit hangs on the tree perfectly sound until November.

CHERRIES

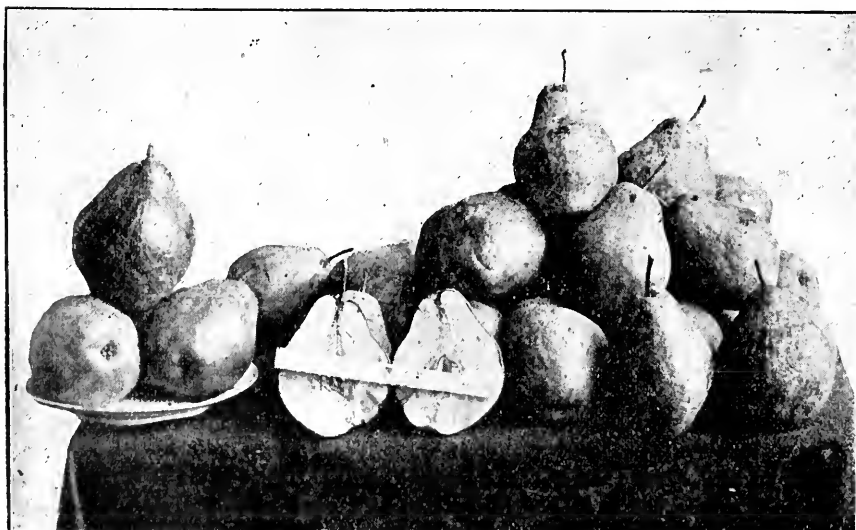
Plant 18 to 25 feet apart.

First grade, 4 feet and up, each, 80c; 10 for \$7.50.

Early Richmond.—Medium size; light red; acid. Profitable here. Ripens last of May.

Large Montmorency.—The best Cherry for general planting. Very productive. Large size, rich red; follows Early Richmond. Tree a strong grower and a sure bearer in this section.

Compass Cherry-Plum.—A cross between the Sand Cherry and the Miner Plum. Fruit about one inch in diameter; bright red; when fully ripe a dark rich red. For canning and preserving this is a most valuable addition to our list of fruits for the South. Remarkable in that it bears heavily the second or third year.



Le Conte Pears

APPLES

Plant 25 to 35 feet apart each way, according to soil.

First Grade, 4 ft. and up, each, 60c; 10 for \$5.00.

Early Harvest.—Yellow, medium to large size, fine flavor. A sure and abundant bearer. The most profitable early Apple in this section. Ripens ten days later than Red Astrachan.

Carolina Red June.—Well known throughout the South. Medium size, oblong; deep red. Middle of June to end of July.

Horse (Yellow Horse).—Large; greenish yellow; acid; a good bearer. Widely known throughout the South. July-August.

Hackworth.—Tree a very strong grower, adapted to a wide range of soils and elevations. Fruit medium to large, of good appearance and quality. Begins ripening in July and continues through August.

Winesap.—One of the most dependable late Apples for the general South. Small to medium size; fine, dark red; flesh crisp. An excellent keeper.

Delicious.—A very popular Apple in the West and Northwest. Very large, oblong; color rich crimson shaded to yellow; fine grain, juicy; a fine keeper and shipper. Not yet thoroughly tried out in the South.

Yates.—A small Apple, but one of the surest croppers, heaviest bearers and best keepers. Dark red with white dots; flesh yellow, crisp and good.

Stayman Winesap.—A seedling of Winesap, but a stronger grower and better adapted to thin soils; much like Winesap in size and appearance, but of better quality.

Mammoth Blacktwig.—From Lincoln county, Tennessee; very large; dark red; yellow flesh. Good keeper and always a good seller; productive.

Hyslop Crab Apple.—Golden yellow with rich crimson cheek, nearly all crimson when mature; crisp, yellow flesh; makes the best Crab Apple jelly ever. Late August or September.

PLUMS

Plant 15 to 25 feet apart

First Grade, 4 ft. and up, each, 80c., 10 for 7.50.

Red June, or Red Nagate.—Of medium size, pointed; thick skin of purplish red color; flesh yellow, solid, rather coarse grained, juicy; very prolific. Matures about the middle of June.

Burbank.—Similar in all characteristics to Abundance, except that it is more globular. Of cherry-red color, mottled with yellow.

Wickson.—A Plum of large size and distinct, pointed shape. Of high quality, very firm, yellow flesh; pit small; dark crimson-purple when matured. Because it blooms so early it is often killed by late frosts in this section. Ripens last of July.

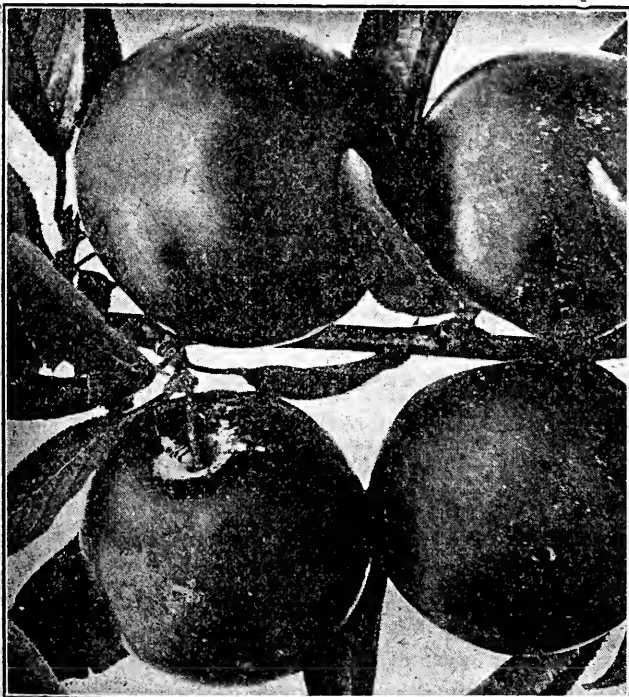
Wild Goose.—Chickasaw type. The best of this type. Large fruit of oblong shape; skin bright vermillion, covered with blue bloom; richly acid. One of the oldest and best known of the native American Plums. Ripens end of June.

Shropshire Damson.—European type. Of larger size than the old Blue Damson. Dark purple; good quality. In great demand for preserving. August.

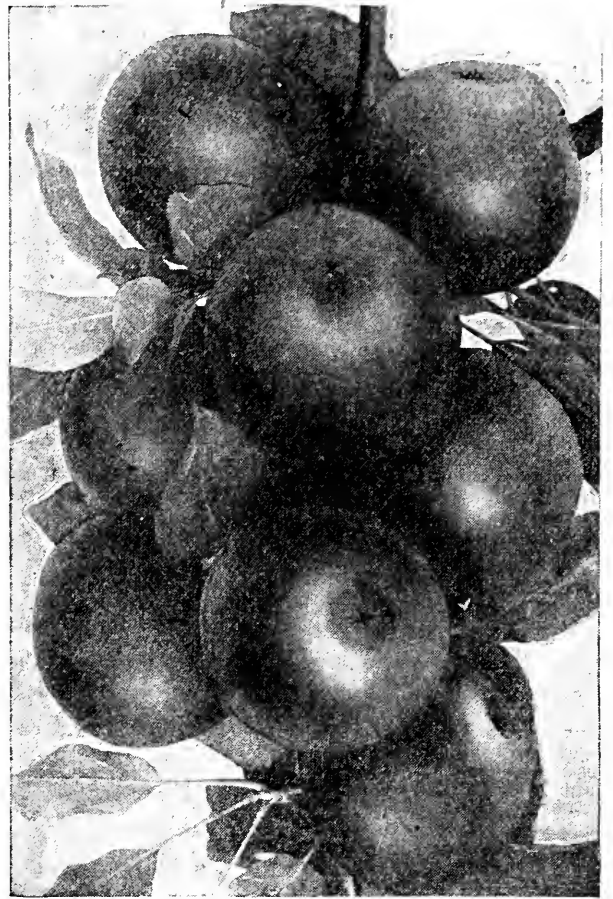
QUINCES

Plant 12 feet apart each way.

Requires a deep, rich soil, clean cultivation, and should be sprayed for best results.



Wild Goose Plums



Carolina Red June Apples

First grade trees, 3 1/2 feet, each, \$1.00.

Champion.—Fruit averages larger than Orange and more oval in shape. A late keeper.

Orange.—Fruit of good size; bright yellow; excellent flavor. An old standard sort.

FIGS

Plant 12 to 18 feet apart.

First grade, each, 60c; 10 for \$5.00.

Blue Genoa.—Purple blue in color, exceedingly sweet, originated in Louisiana.

Celestial, or Celeste.—Fruit small to medium, pale violet in color; very prolific; excellent quality; the hardest of all Figs; one of the best canning and preserving sorts.

Magnolia.—Fruit very large; quality good; grows vigorously; very satisfactory for canning. Largely planted in the South.

NECTARINES

First Grade Trees, 3 1/2 feet, each, 75c; 10 for \$7.00.

Red Roman.—New white.

APRICOTS

First Grade Trees, 3 1/2 feet, each, 80c; 10 for \$7.50.

Superb.—Very early, productive and of good size.

Wilson.—Fruit golden yellow, large and of fine quality.

Alexander.—An early variety, deep yellow.

Moorpark.—Dark yellow with blush, large size.

JAPANESE PERSIMMON

Three-foot Trees, each, \$1.00; 10 for \$9.00.

O'Kame.—Orange-yellow skin; large size.

Tane-Nashi.—Skin bright red; deep yellow flesh.

NURSERY ORDERS

Customers ordering fruit trees will please give NEXT CHOICE should we have sold out of the variety you order. All fruit trees are scarce and it will be very necessary to substitute in some cases. Can we substitute? Answer yes or no on your order.

GRAPES

Plant 8 to 10 feet apart.

Your back porch, fences around the garden and the chicken yard, any unsightly outhouses, can all be utilized as supports for Grapevines. There is no fruit that returns greater dividends in satisfaction. They do not necessarily require a rich soil. Keep the ground well stirred about them, working in a good heavy mulching of leaves, leaf mold or well-rotted stable manure once or twice a year.

First grade, well-rooted vines, each, 30c; 10 for \$2.50; 100 for \$20.00.

Concord.—Bunch and berry large, blue-black; flesh sweet, tender; quality high. One of the best known and most popular sorts.

Delaware.—Bunch small or medium; berry small; skin thin, light red in color; sweet and tender. Standard of excellence. This variety requires a richer soil than any other.

Ives' Seedling.—Dark purple, almost black when fully ripe; bunch and berry of medium size. Ripens over a long period.

Lutie.—A native of Davidson county, Tennessee. Vine a distinct grower; berry large, dark red; peculiar and most agreeable flavor. Productive and desirable.

Niagara.—The best white market Grape. A good shipper, having a tough, rather thin skin. Bunch medium to large, berry large. Pale yellow with whitish bloom when fully ripe.

SCUPPERNONG GRAPES

A distinct type of native Southern Grape. The vine is a very strong grower, remarkably free from disease and insects, maturing its fruit fully without decay. The fruit is produced in small clusters.

First grade, 2-year vines, each, \$1.00; 10 for \$9.00.

Scuppernong.—Bunches are small, consisting usually of six to ten large berries; bronze colored when fully matured. Flesh is pulpy, with a peculiar musky flavor.

Thomas.—Medium size, round, dark wine color when fully ripe. Regarded by many growers as the best for table use of the Scuppernong type. Highest in sugar content.

STRAWBERRY PLANTS

Set in March and April in rows 3½ feet wide and 15 inches apart in the row. We can furnish any of the following varieties, but they will be shipped separate from any other trees or plants on our list:

Any of the following six varieties, 25 for 50c; 100 for \$1.00; 500 for \$4.00; 1,000 for \$6.00. By parcel post, 25 for 60c; 100 for \$1.20; 500 for \$4.40:

Excelsior.—Extra early; high color; large and firm; a vigorous grower and one of the best drouth resisters.

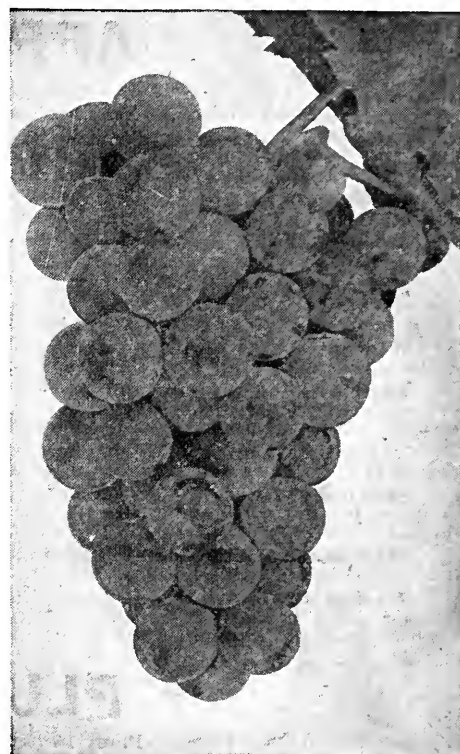
Missionary.—A round berry of good size, fine color and a good shipper.

Lady Thompson.—Widely planted over the whole country because of its uniform productiveness, these qualities offsetting the fact that it is not of as good texture or flavor as any of the other varieties here described.

Klondyke.—A shapely dark red berry of uniform size and one of the best shippers; makes a strong, vigorous growth; a very profitable sort.



Gandy Strawberry



Niagara Grapes

Aroma.—Large size; dark red; one of the best late sorts.

Gandy.—The last to ripen; a large, firm, bright crimson berry of good quality. Requires a good rich soil to bring out its maximum efficiency.

FALL, OR EVERBEARING STRAWBERRY

This variety may be planted just like the June-bearing varieties and given the same treatment except for the pinching. Doz., 50c; 25 for \$1.00; 100 for \$2.50; 500 for \$10.00. By parcel post, doz., 65c; 25 for \$1.10; 100 for \$2.70.

DEWBERRIES

Each, 15c; 10 for \$1.00; 100 for \$8.00. 1. o. b. Memphis.

Austin's Improved.—Large fruit, the best variety for the South.

BLACKBERRY PLANTS

By express—Each, 15c; 10 for \$1.00; 100 for \$8.00. By parcel post—Each, 20c; 10 for \$1.25.

Early Harvest.—Medium size, firm, productive.

Snyder.—Very hardy; a sure bearer, good size.

RASPBERRY PLANTS

By express—Each, 15c; 10 for \$1.00; 100 for \$8.00. By parcel post—Each, 20c; 10 for \$1.25.

Cuthbert.—Red, of excellent quality; ripens end of May.

Kansas.—The best black cap, large size, good quality.

EVERBEARING RASPBERRY

St. Regis Everbearing Raspberry.—Fruit bright red; produces crop in the spring, also in the fall; will bear the first season. Almost a sure cropper every season. Do not fail to plant them. By parcel post—Each, 25c; 10 for \$1.85. By express—Each, 20c; 10 for \$1.50.

MULBERRIES

Plant 25 feet apart each way.

A very valuable fruit for poultry and hogs. The fruiting period is of long duration, lasting two to three months. Should be planted in every hog pasture and chicken yard. Trees come into bearing very young.

First grade, 5 feet high, each, \$1.00.

Black English.—Tree a very strong grower; foliage fine; berry large, black, ripens ahead of Hicks; hardy and prolific.

Hicks' Everbearing.—Follows Black English and continues in bearing for weeks; berry is black, produced abundantly, but not as large as Black English.



Cuthbert Raspberry

Shade and Ornamental Trees

We list only the varieties best suited to our section.

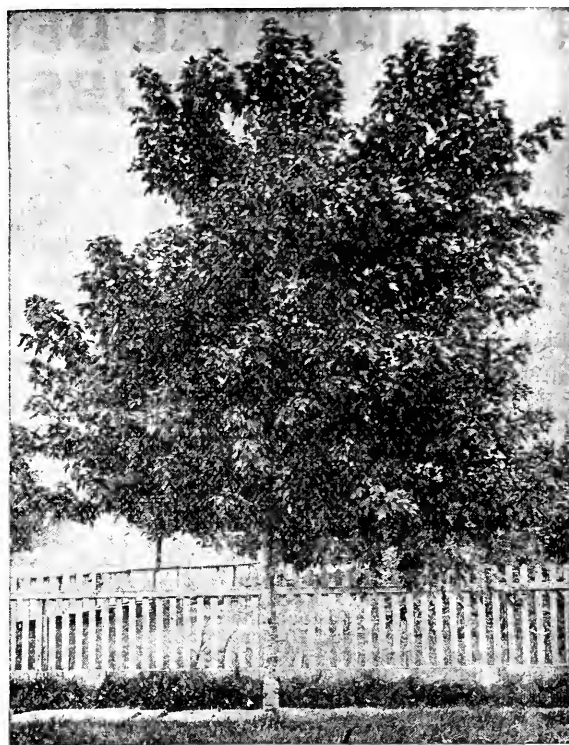
	Each
American Sycamore—7 to 8-ft. trees.....	\$1.50
American Elm—7 to 8-ft. trees.....	1.50
Carolina Poplar—7 to 8-ft. trees.....	1.00
Catalpa Speciosa—4 to 5-ft. trees.....	1.00
Lombardy Poplar—7 to 8-ft. trees.....	1.00
Mulberry, Teas Weeping—3 to 4-ft. trees.....	2.50
Norway Maple—7 to 8-ft. trees.....	1.50
Pin Oak—6 to 7-ft. trees.....	2.00
Salisbury, or Maiden Hair—4 to 6 ft. trees.....	1.50
Silver Maple—7 to 8-ft. trees.....	1.25
Sugar Maple—7 to 8-ft. trees.....	1.50
Red Flowering Dogwood—4 to 5-ft. trees.....	2.50
Texas Umbrella China—4 to 5-ft. trees.....	1.50
White Flowering Dogwood—3 to 4-ft. trees.....	2.00

Broad-Leaved Evergreens

Abelia grandiflora.—One of the most beautiful and satisfactory plants of this broad-leaved type. The foliage is dark green and glossy, with a pronounced tinge of red in the young branches; a very graceful plant, covered with white flowers tinged with pink from May until frost. These flowers resemble a Lily, in having a deep, slender throat and are about an inch in length. Plants 18 inches high. Each, \$1.00.

Magnolia grandiflora (Southern Evergreen Magnolia).—The pride of Dixie. Leaves are evergreen, thick and firm; flowers 6 to 8 inches across, pure waxy white, heavily fragrant. We always defoliate before digging to get best results in transplanting. Each, \$2.00.

Euonymus japonicus.—A handsome evergreen shrub; upright form, compact; broad dark green glossy foliage; attains a height of 6 to 10 feet; can be trimmed at any time and to any form or height desired. 15 to 18 in., 60c each; 18 to 24 in., bushy, 80c each.



Carolina Poplar

HEDGE PLANTS

Privet, Amoor River.—The best of the Privets for planting in the South. This type retains its bright green foliage almost all winter here. Strong, 2-year plants. Price, 10 for \$1.50, 25 for \$3.00, 100 for \$10.00.

California.—Very popular; planted all through the South, but in our opinion not as desirable as the Amoor River, because after a few years it loses its foliage early in winter. Strong 2-year plants. 10 for \$1.25; 25 for \$2.00; 100 for \$7.50.

Boxwood, Dwarf.—For edging purposes in the formal or old-fashioned gardens this slow-growing Dwarf Box is largely used; should be planted close, 3 to 4 inches. 2-yr., 4 to 6 in., 25 for \$3.00; 100 for \$10.00.

GRAFTED PECAN

Plant 35 to 50 feet apart.

Two to three-foot Trees, each, \$1.50; 10 for \$14.00.

We list only one size; the best age to set out.

Stuart.—The hardiest of this list. Large size; shell medium thin; quality good; one of the best varieties.

Delmas.—Of good size and quality; meat bright yellow and very sweet.

Schley.—A distinctly pointed nut of good size; thin shell, well filled; fine flavor.

Van Deman.—A large, long, dark nut; tree a vigorous grower with large, healthy foliage; one of the oldest of the improved sorts.

CHESTNUT

3½ feet, each, \$1.00; 10 for \$8.00.

Japan Mammoth.—Produces mammoth size nuts; tree a vigorous grower.

Spanish. Tree a rapid grower; produces nuts early.

WALNUTS

2½ feet, each, \$1.00; 10 for \$8.00.

English.—Makes a handsome shade or lawn tree; a table nut of fine quality.



Abelia Grandiflora

Japan.—A vigorous tree and a sure and prolific bearer. Also makes a fine ornamental tree with a broad spreading top.

HORSE RADISH

Plant in rows 18 inches apart, putting the sets 1 foot apart. Doz., 30c; 100, \$1.50; parcel post paid. Not prepaid—Doz., 25c; 100, \$1.25.

ASPARAGUS ROOTS

Set roots or plants either in spring or fall; directions for making beds supplied with orders.

Palmetto.—Two-year old roots. Price, not prepaid—50, 75c; 100, \$1.50; 1,000, \$12.50. By parcel post—Doz., 40c; 50, \$1.00; 100, \$1.75.

RHUBARB, OR PIE PLANT

A fine, healthful fruit, but not at home in hot, dry soils. Requires a rich, deep, warm soil. Set out in the fall 4 feet apart each way. Strong two-year-old roots. Price, 2-year roots—Each, 25c; doz., \$1.80; parcel post paid. 1-year roots—Each, 15c; doz., \$1.25; parcel post paid.

Not prepaid, by express—2-year roots—Each, 15c; doz., \$1.50; 1-year roots, each, 10c; doz., \$1.00.



Amoor River Privet Hedge

ORNAMENTAL DECIDUOUS SHRUBS

All good, strong, well-branched plants.

Althæa (Rose of Sharon).—Flowers all summer. We can supply the following colors: Double Red, Double Purple, Double White, Single Red, Single White, Single Blue. Any color, each, 75c; 10 for \$6.00.

Thunbergii (Japanese Barberry).—One of the best shrubs for massing or borders; leaves small, bright green, with bright red berries on the plant. Each, 60c; 10 for \$5.00.

Butterfly Bush.—A quick-growing bush with Lilac-like flowers. Very showy; blooms all summer. Each, \$1.00; 10 for \$8.50.

Calycanthus.—A popular shrub, blooms early, fragrant blossoms. Each, 75c; 10 for \$7.00.

Crape Myrtle, Pink.—A magnificent hardy Southern shrub. Flowers all summer, a beautiful pink shade. Each, 75c; 10 for \$7.00.

Deutzia, Pride of Rochester.—Large double white flowers tinted with rose; blooms profusely. Each 60c; 10 for \$5.00.

Forsythia, Golden Bell.—The earliest to bloom of all shrubs. The plants are a mass of golden bloom before the leaves appear. Each, 70c; 10 for \$6.00.

Bush Honeysuckle.—A grand shrub for grouping; has bright green foliage. Can supply them with either pure white, bright red or cream white blossoms. Each, 60c; 10 for \$5.00.

Hydrangea.—Arborescence Hills of Snow. Perfectly hardy, with large pure white blossoms; very fine. Each, \$1.00; 10 for \$8.50.

Hydrangea grandiflora.—A strong-growing shrub; flowers white, pyramidal in shape. Each, \$1.00; 10 for \$8.50.

Lilac.—The old-fashioned purple Lilac. Fragrant, violet-purple flowers. Each, \$1.00; 10 for \$8.50.

Japan Quince.—Also called Fire Bush. Flowers scarlet; bush thorny but of compact growth. Each, 75c; 10 for \$6.00.

Snowball.—A popular shrub, easily grown; succeeds in most any situation. Each, \$1.00; 10 for \$8.00.

Snowberry.—Slender, arching branches; flowers pure white; very showy. Each, 60c; 10 for \$5.00.

Spirea.—We can supply all the well-known varieties, viz.: Spirea Bridal Wreath, small double white flowers; Spirea Anthony Waterer, distinct crimson blossoms; Spirea Thunbergii, feathery snow-white blossoms. Each, 75c; 10 for \$6.00.

Tamarix.—Foliage is a bright green; flowers carmine pink. Each, 60c; 10 for \$5.00.

Welgela Eva Rathke.—Hardy, free-flowering shrub of spreading habit; among the showiest of all shrubs. Flowers deep red. Each, \$1.00; 10 for \$8.00.

VINES

All hardy, field-grown plants with good root system. Climbing, clinging, creeping and trailing.

Ampelopsis Velitchil, or **Boston Ivy**.—Of rapid growth; clings with tenacity. Each, 60c.

Honeysuckle, Hall's Japan.—The fragrant white and yellow Honeysuckle; quick growth. Each, 50c.

Honeysuckle, Scarlet Trumpet.—Bright scarlet, not fragrant. Each, 50c.

Kudzu Vine.—Makes growth 40 to 50 feet in one season. It is also a valuable forage plant. Each, 50c.

Wistaria, Chinese White.—Adapted for porch arbors; flowers in clusters. Each, 50c.

Wistaria, Chinese Purple.—The flowers are produced in dense drooping clusters; very showy. Each, 50c.



Deutzia, Pride of Rochester

Ivy, English.—A beautiful evergreen vine with a thick, leathery leaf, really too well known to require a description. It prefers a shady place and plenty of moisture. Much used in covering of masonry and tree trunks. Each, 50c.

American Trumpet Vine.—A native vigorous vine with spreading branches, producing its orange-red to scarlet flowers, which are 2 to 3 inches in length for several weeks in summer. Will grow in almost any soil or situation. Each, 50c.

Virginia Creeper.—Of strong and rapid growth; requires no support; adapted for covering tree trunks or walls. 2-year roots. Each, 50c.

BEDDING ROSES, FIELD-GROWN

All hardy field-grown stock. They are superior to the tender, greenhouse plants which seldom bloom the first year.

Any variety, each, \$1.00; 10 for \$8.00; by express only.

American Beauty.—A beautiful pink shade, always popular, fragrant.

Catherine Zelmet.—Pure white, almost like white Baby Rambler in size.

Frau Karl Druschki.—The white American Beauty, clear white, with unusually large blooms.

General Jacqueminot.—Brilliant crimson, soft and velvety, very fragrant.

Killarney.—An exquisite shade of deep sea-shelled pink; large in bud and flower; a great favorite.

Madame Caroline Testout.—Clear satiny pink; large flowers, extremely showy.

Maman Cochet.—Light pink, one of the hardiest Tea Roses, a strong grower.

Paul Neyron.—Deep pink, one of the largest Roses in cultivation.

Rhea Reid.—Rich red, very double and a constant bloomer.

Rosa Rugosa, alba.—Pure white, fine for landscape work; plant grows 6 feet high.

White Cochet.—A twin sister to Maman Cochet, except that its color is creamy white faintly tinged with blush. Should be planted by every Rose lover.

Ulrich Brunner.—A distinct, beautiful, brilliant cherry-red; a seedling of Paul Neyron; free, strong grower; for the garden better than old American Beauty.

CLIMBING ROSES

All field-grown strong plants.

Marechal Niel.—The best ever-blooming climber, deep rich yellow, exceedingly fragrant; very popular. Each, \$1.50.

Dorothy Perkins.—Shell pink flowers; a strong, hardy climber. Each, 75c.

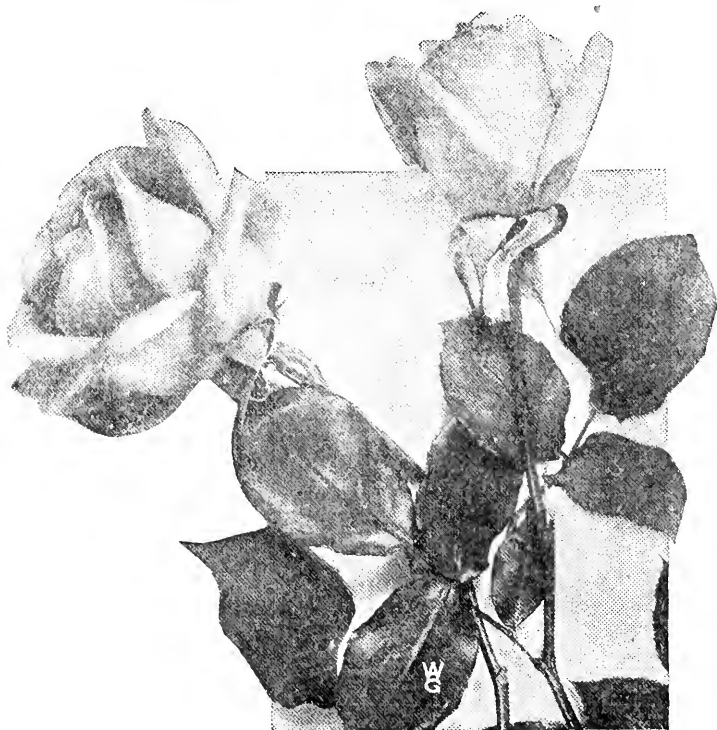
Excelsa.—The red Dorothy Perkins; flowers a brilliant crimson. Each, 75c.

Climbing American Beauty.—Nearly the same as the American Beauty in size, color and fragrance, except that it is a climber. Each, \$1.00.

Crimson Rambler.—The most popular climber; flowers in clusters, a bright crimson. Each, 75c.

Tausendschoen (Thousand Beauties).—A hardy, strong climber; colors of all shades from white to deep pink; good foliage. Each, 75c.

White Perkins.—Same type as its twin sisters, Dorothy Perkins (pink), and Red Dorothy Perkins, or Excelsa. A strong-growing, hardy white climber. Interplanted with Dorothy Perkins, Excelsa, Tausendschoen and Crimson Rambler, it makes a great show and is of decided value. Each, 75c.



Killarney Rose

STANDARD FLOWER POTS

All Without Saucers

The above prices are f. o. b. Memphis, packed, but no allowance is made for breakage after delivery is made to the railroad company.

	Doz.	100		Each	Doz.
2½-in....	\$.30	\$1.75	7-in..	\$.30	\$2.00
3-in.....	.35	2.00	8-in..	.25	2.50
4-in.....	.50	3.00	9-in..	.50	5.00
5-in.....	.60	4.50	12-in..	1.00	11.00
6-in.....	1.00	7.00			

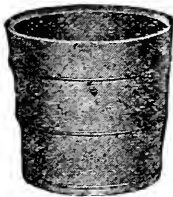


Standard Flower Pot

FLOWER POT SAUCERS

	Doz.		Doz.
4-in.....	\$.40	8-in.....	\$2.00
5-in.....	.50	10-in.....	3.00
6-in.....	.85	12-in.....	5.00
7-in.....	1.50		

Packed f. o. b. Memphis.



Flower Plant Tub

FLOWER PLANT TUBS

Made from selected white cedar, bound with strong hoops. These are very durable. Prices f. o. b. Memphis, as follows:

	Each		Each
8-in.....	\$.60	14-in., with handles....	\$1.75
10-in.....	1.00	16-in., with handles....	2.25
12-in.....	1.25	18-in., with handles....	2.50

Above measurements are across the top.

PAPER FLOWER POTS

These are made of heavy Neponset Paper and are nearly equal to the stoneware styles, and much more convenient to handle.

	100	1000		100	1000
2½-in.....	\$.50	\$4.50	4-in.....	\$1.00	\$8.00
3-in.....	.75	5.50	5-in.....	1.50	13.50
3½-in.....	.90	6.50			

By parcel post add 15c per 100 extra.

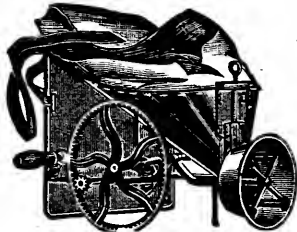


Paper Flower Pots

WIRE HANGING BASKETS

Wire Flower Pot Brackets, Plant Protectors, etc.

On account of limited space, we are unable to price them in this issue of catalog. Write us your wants and we will take pleasure in quoting on them.



Cahoon Seeder

SEED SOWERS

Cahoon Broadcast Seeder.—One of the best seeders manufactured, and sows all kinds of grain, clover, seeds, etc. rapidly and evenly. Price, \$4.50 each; parcel post, \$4.75.

THOMPSON'S WHEELBARROW SEEDERS

The ideal implement for sowing broadcast grass, clover and Lespedeza seed. The hopper being close to the ground, the seed falls quickly, therefore not effected by the wind, which is the case with other broadcast hand sowers. Easy to operate, easy to change the amount of seed to be used on an acre. Seeds can be sown separately or mixed, at the rate of 25 to 40 acres per day.

The Thompson Wheelbarrow Seeder gives a perfect uniformity and evenness of putting down the seed, more so than any other style we know of. We handle only the No. 2 Seeder, which is superior to the No. 1, from the fact that it sows in addition to the



heavier seeds, like Timothy, Alfalfa and Clover seeds, all Grass seeds and Lespedeza, while the No. 1 Seeder only sows heavy seed. The larger machine costs but a fraction more.

Price No. 2 Thompson Wheelbarrow Seeder, each.....\$12.00

Price No. 12 Royal Chain Feed Seeder, each.....12.50



Thompson's Wheelbarrow Seeder

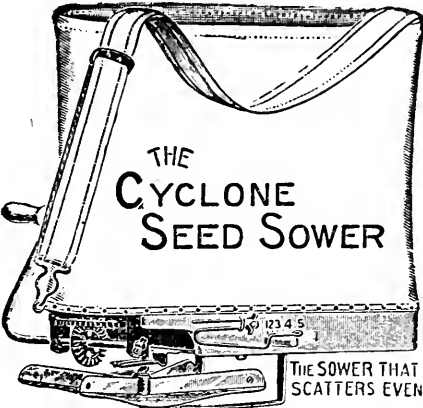
THOMPSON GRAIN HOPPER

To be used in combination with the Thompson's Wheelbarrow Seed Sower. The hopper is made to fit on the gearing and is for sowing broadcast, Oats, Wheat, Barley, Sorghum, Cow Peas, etc.

No. 4 Thompson Grain Hopper, each.....\$6.00

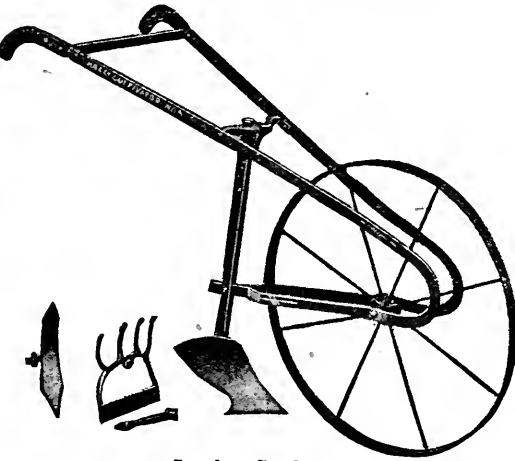
CYCLONE SEED SOWER

Will sow timothy, clover, oats, rye, wheat, millet, grass seeds, peas, sorghums, etc. Distributes evenly, works perfectly; has an agitating feed plate, which insures a uniform flow of seed. Price, \$2.25 each. Parcel post, \$2.45.



THE SOWER THAT SCATTERS EVENLY

HAND GARDEN PLOWS



Leader Garden Plow

Leader Garden Plow.—There is no plow on the market that is easier on the operator than the Leader. It is so constructed that the center of weight falls directly over the pivoting point of the axle, making it self-balancing. Handle can be raised or lowered to suit man or boy. The bent handle makes plow more easily guided and pushed, with less strain on the arms than the cross or straight handles. The weight of the operator's body can be used against handle.

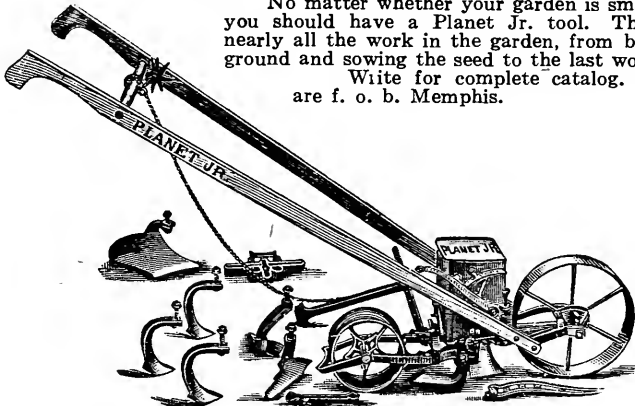
Height of wheel, 24 inches. The attachments that go with each plow are a mouldboard with landslide, shovel, calf-tongue, weeder and cultivator. The cultivator is better than a rake. All made of best steel. Weight, 25 pounds. \$4.50 each.

Hall No. 5 Garden Plow with all tools, each.....\$4.50
Dixie Garden Plow, complete, each.....4.50
Planet Jr. No. 119 Garden Plow, complete, each.....5.50

PLANET JR. GARDEN TOOLS

No matter whether your garden is small or large, you should have a Planet Jr. tool. They will do nearly all the work in the garden, from breaking the ground and sowing the seed to the last working.

Write for complete catalog. All prices are f. o. b. Memphis.



Planet Jr. No. 4

Planet Jr. No. 4.	Combined Drill and Wheel Hoe, each.....	\$15.00
Planet Jr. No. 4.	Drill only, each.....	12.50
Planet Jr. No. 25.	Combined Drill and Wheel Hoe, each.....	20.00
Planet Jr. No. 31.	Drill only, each.....	9.50
Planet Jr. No. 12.	Double Wheel Hoe, each.....	11.50
Planet Jr. No. 14.	Disc Wheel Hoe, each.....	12.00
Planet Jr. No. 16.	Single Wheel Hoe, each.....	8.00
Planet Jr. No. 19.	Single Wheel Hoe, each.....	6.00
Planet Jr. —	Star Pulverizer, each.....	6.00

Note.—We are quoting special prices on the above numbers. Don't miss these bargains. These are the only styles we have in stock.



These trees were sprayed

INSECTICIDES AND SPRAY MATERIALS



These trees were not sprayed

Spraying.—We cannot be too emphatic in impressing on the horticulturist to spray his garden, fruit trees and grape vines if he desires good fruit or vegetables. Follow directions carefully. Experiments frequently result disastrously. Careless spraying will result in loss of fruit and sometimes the tree. Every fruit grower should purchase a spraying apparatus; they can now be had for a small sum. Be careful in keeping your solution continually stirred. The best time for spraying is late in

the afternoon or during cloudy weather, except with kerosene emulsion; this should be used on bright, sunshiny days.

Spraying your trees will save 90 per cent of your crop. It is worth all your labor and expense to try it.

Poisonous insecticides and liquids are not-mailable. Prices are f. o. b. Memphis, buyer paying carriage charges, excepting where priced parcel post paid.

The following simple table will help the amateur to dilute spray mixtures:
One part of any spray mixture to 50 parts of water measure as follows:

TO MEASURE INSECTICIDES

1 teaspoonful to 1 pint water.
2 tablespoonfuls to 1 gallon water.
½ pint to 12 gallons of water.
1 quart to 1 bbl. or 50 gal. water.

This is a 1 to 50 solution; for weaker or stronger solution you may decrease or increase as required.



TRADE MARK

Slug Shot.—Especially effective against cut worms and is not poison. Price, by freight, 1 lb., 20c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.25; 125-lb. keg, \$10.00. By parcel post, 1 lb., 30c; 5 lbs., 75c; 10 lbs., \$1.25.

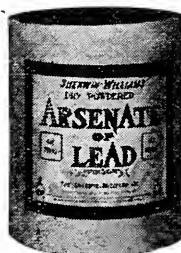


Reg. U. S. Pat. Off.

Bug Death.—Very safe, being non-poisonous; effective on all garden insects. Price, by freight, 1 lb., 20c; 3 lbs., 40c; 5 lbs., 60c; 12½ lbs., \$1.25; 100 lbs., \$8.50. Parcel post, 1 lb., 30c; 3 lbs., 55c; 5 lbs., 80c; 12½ lbs., \$1.80.



S. W. Insecto.—A dry-powdered insecticide and fungicide; controls leaf-eating insects and fungi diseases in one spraying, thereby saving time and money. By freight only, 1 lb., 50c; 5 lbs., \$2.15.



Dry Lime Sulfur.—Dry Lime Sulfur is the actual standard liquid material in dry powdered form and requires only the addition of water to make an effective spray. By freight, 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.50; 25 lbs., \$5.00. Parcel post, 1 lb., 50c; 5 lbs., \$1.65; 10 lbs., \$2.75.

Dry Powdered Arsenate of Lead.—Does not burn the foliage, absolutely safe to use, kills every insect that eats it, superior in every way to Paris Green, as it does not burn or scald the foliage, can be used dry as a powder or as a solution in water. By freight only, ½-lb., 35c; 1 lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.50; 100 lbs., \$42.00.

Paste Arsenate of Lead.—Easy to use; not caustic; therefore always safe. Use it on everything in your garden. By freight only, 1 lb., 40c; 5 lbs., \$1.75.

Black Leaf 40.—A nicotine solution for destroying aphids, lice, etc., on both garden and flowering plants. A teaspoonful makes 1 quart of solution. This is one of the most effective preparations for general sucking insect plants. By freight only, 1-oz. bottle, 30c; ½ lb., 80c.

Nicotine Sulphate.—A very strong solution of Nicotine, which is sure death to all insect life, does not injure the most tender foliage, if directions are followed. By freight, 1-oz. bottle, 25c.

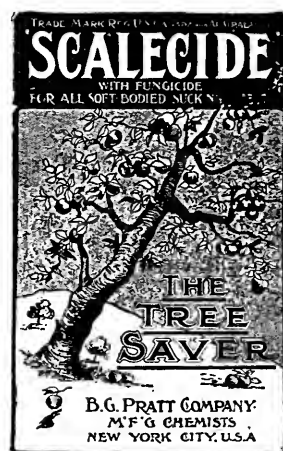
Nicoticide.—Effective against all insects and does not damage the growth upon which it is sprayed; especially useful on aphids and lice on both vegetable and flowering plants. One ounce of Nicoticide makes 10 gallons of spraying solution. By freight only, 1-oz. bottle, 30c; 1 pt., \$2.50.

Borowax.—Affords absolute protection against borers, when applied to Peach, Plum and Apple trees. Keeps the borers out—once they get in, no known material will destroy them, without killing the tree. They can be removed by use of the knife, but this gives only temporary relief. Treat all young trees when first set out with Borowax, and you will be repaid for your trouble and expense. Write for further instructions how to keep borers out of Peach trees. Price, 1 qt., 40c; ½ gal., 70c; gal., \$1.25, f. o. b. Memphis. Borowax cannot be mailed.

TREAT 'EM RIGHT

Gentlemen: 5/30/19
Enclosed find my check for \$854.25,
in full payment of all I owe you.
Accept thanks for the good service
you have given me on deliveries and
good sound seed.

Signed,
JNO. K. GIBSON.



Pratt's Scalecide.—Cures and prevents San Jose scale. One of the best dormant sprays; easy to apply. Not poison. By freight only, 1 qt., 60c; gal., \$1.50; 5 gals., \$6.00.

Bordeaux Mixture.—This liquid will control blight on all plants. One of the most desirable preparations for general use. By freight only, Pint, 35c; qt., 50c; gal., \$1.85.

Dry or Powdered Bordeaux Mixture.—The new form of Bordeaux will keep indefinitely. Cures and controls blight. By freight only, 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50.



Bordeaux Mixture Paste With Arsenate of Lead.—A combined preventative, kills insects and cures blight at the same spraying. By freight only, 1 qt., 75c; gal., \$2.50.

Dry or Powdered Bordeaux With Arsenate of Lead.—Controls at one spraying all fungus troubles and insects. 1 lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.75. By freight only.

Carco.—A preparation for killing lice and aphids on cabbage and turnip plants, and will overcome much trouble that gardeners have had with lice on their plants. By freight only, pint, 35c; qt., 60c; ½ gal., \$1.00; gal., \$1.50.

SPRAY MATERIALS



Tuber Tonic.—Tuber tonic is a combination spray having the desirable quick-killing properties of Paris Green, the adhesiveness of arsenate of lead, and the fungus preventive qualities of Bordeaux Mixture, is absolutely safe and can be used without injury to the foliage. By freight only. 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.

Pyrox.—Destroys insects and prevents blight, all at one spraying, a combination of Bordeaux, Paris Green and Arsenate of Lead. Especially recommended for tomato blight, etc. Price, 1 lb., jar, 35c; 5 lbs., \$1.50; 10 lbs., \$2.75. By freight only.



Tree Tanglefoot.—Used as a band on all kinds of trees, will prevent any kind of insects on them. This is one of the most effective treatments for insect troubles. By freight, 1 lb., 50c; 3 lbs., \$1.35; 10 lbs., \$3.75; parcel post, 1 lb., 60c; 3 lbs., \$1.50.

Powdered Hellebore.—Will kill most all insects. Does not burn plants. Is poisonous, but safe to use. By freight only, 1 lb., 75c.

Paris Green.—Has been on the market for many years, and is known for its effectiveness. It must be used with care, one teaspoonful to one gallon of water will be safe. By freight only. 1/4 lb., 25c; 1/2 lb., 40c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$12.50.

No-Scab.—For preventing smut of wheat, oats and other grain. Also to prevent scab on potatoes, never plant them without first treating them with No-Scab. 8-oz. size, 50c; express only.

Powdered Arsenate of Calcium.—A new preparation for exterminating the boll weevil on cotton. Government experiments in the boll weevil districts, with Arsenate of Calcium have proven very satisfactory. A safe effective remedy and preventive. 1 lb., 50c; 5 lbs., \$2.25. Cannot be mailed.

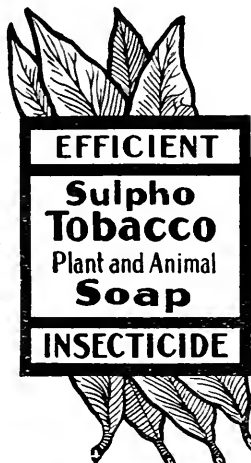
To Kill Insects on Potatoes.—For Potato Beetle or the common Potato Bug, the best non-poisonous preparation is Bug Death; use it liberally. For large crops use either S. & W. Tuber Tonic, which is both an insecticide and a plant tonic, or Arsenate of Lead or Paris Green. Be careful when using Paris Green, it burns quickly. Arsenate or Lead is safer in every way.

For Blight use Bordeaux Mixture.



Sulpho Tobacco Soap.—Kills all insects on plants; simple and effective. By freight, 3-oz. cake, 15c; 8-oz. 30c; parcel post, 3-oz. cake, 20c; 8-oz., 35c.

Tobacco Dust.—Especially desirable for use against lice and sucking insects. By freight, 1 lb., 20c; 10 lbs., \$1.10; 25 lbs., \$2.00. By parcel post, 1 lb., 30c.



Fish or Whale Oil Soap.—Prevents and cures scale, aphids and other troubles on plants and trees. By freight, 1 lb., 30c; parcel post, 40c.

Lemon Oil Insecticide.—For destroying aphids, bugs, scale, etc., on rose bushes, ferns and other plants, and does not burn the foliage. Also destroys lice, ants and roaches without odor or danger. By freight only, 1/2 pt., 35c; 1 pt., 60c.

Hammond's Thrip Juice.—A sure shot against aphids, lice and all sucking insects. Not poison. Price, 1/2 pt., 50c; 1 pt., 75c. Cannot be mailed.

Hammond's Copper Sulphate Solution.—Prevents and cures blight, rot and other fungus troubles on all kinds of trees and plants. By freight only. 1 qt., 75c.



Grafting Wax.—Used for grafting scions on trees. 1/4 lb., 25c; by parcel post, 30c.

RED CROSS RAT AND MOUSE EMBALMER

A sure rat and mouse destroyer that does the work thoroughly and without any odor. It is absolutely the best preparation of its kind.

The past summer the rat and mice became so bad in our retail store that we were forced to sit up at nights to keep them from destroying our goods. We tried many remedies, traps of all kinds; in fact, we spent \$20.00 or \$30.00 trying to stop them but without avail. A friend of ours told us to try Red Cross Rat Embalmer and we must say it did the work. We sold it to dozens of our neighbors on Front Street and all have had fine results. If you are bothered with rats or mice, we can help you to get rid of them. Price, 50c-\$1.00 and \$3.00 per can by Express only. Red Cross Rat and Mouse Embalmer being poison it cannot be mailed.



Hammond's Grape Dust.—Prevents and cures blight on all plants. Very effective on roses. Not poison. By freight, 1 lb., 25c; 5 lbs., \$1.00; parcel post, 1 lb., 35c; 5 lbs., \$1.20.

Powdered Sulphur.—Will prevent and cure mildew; should be used on all roses in the spring. Apply dry. By freight, 1 lb., 30c; parcel post, 40c.

Kirk Insecticides.—Will fit any Kirk spray nozzle. Kirk fertilizer cartridge, per box, 30c; parcel post, 35c. Kirk Bordo Fungicide, per box, 50c; parcel post, 60c.



Cut Worm Killer.—Absolutely certain death to the troublesome cut worm. By freight only. 1 lb. box, 30c.

Kerosene Emulsion.—Especially effective against aphids and lice on all plants. By freight only. 1 pt., 35c; qt., 50c.

Formalin.—Used for treating oats, wheat, etc., to prevent smut; also to prevent potato scab. One pound will make 30 gallons of solution. By freight only. 1 lb. bottle, \$1.00.



CHAMPION TREE KILLER (POISON)

For Trees, Shrubs and Vines.

Trees die quicker, stumps rot quicker than old method of deadening.

Directions.—Chop all around the tree about one or two feet from the ground, making a downward cut one or two inches deep; then pour a small amount of the Tree Killer in the cut, going all around the tree. This can best be done if you use a coal oil can or a can with a spout, so as not to waste the liquid. Price, \$1.25 per gallon; 2 gallons, \$2.25; 10 gallons, \$10.00, f. o. b. Memphis.

TREAT 'EM RIGHT

5/26/19

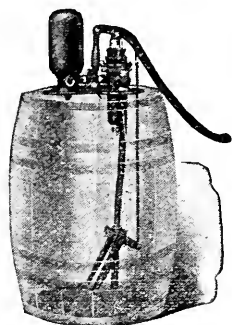
Gentlemen:

Enclosed find our check for five tons cotton seed. They are very satisfactory and we thank you very much for your promptness.

Signed,
Greenhaw Mercantile Co.

SPRAY PUMPS

OUR LINE: Orchard, Bucket and Hand Sprayers is complete. We guarantee every Pump we sell. Special catalogues mailed on application.



Auto No. 410
Orchard Pump

BARREL SPRAY PUMPS

We have several styles of the barrel or orchard outfits. These are capable of doing a large amount of work with ease; they can be used from a wagon or attached to a drag, and all come complete with hose and spray nozzles.

Anyone wanting further information as to the specifications of the different styles will please write us for complete catalogue. Prices, f. o. b. Memphis.

Auto No. 410 Orchard Pump, mounted on barrel, each, \$33.25.

Myers No. 318 Orchard Pump, with barrel and cart attachment, each, \$42.50.

Myers No. 318 Orchard Pump, without barrel and cart attachment, each, \$19.50.

BINKS NO. 17

Exceptionally Popular Low Priced Barrel Sprayer.

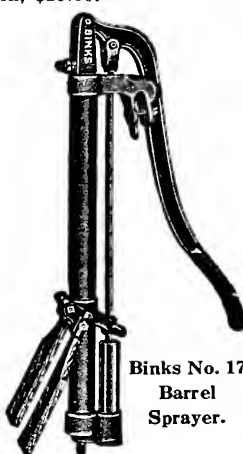
Unexcelled for Orchard use. Can be used in connection with any barrel. It is neat, compact, adjustable, durable and efficient.

Price of pump only, with agitator hose and nozzle. No barrel. Each, \$18.00.

BINKS NO. 15

Barrel Sprayer on Truck.

Binks No. 15 Barrel Sprayer on truck, complete with barrel, pump, truck, 10 feet $\frac{1}{2}$ inch hose, stop cock, spray pipe and nozzle. This is a superb outfit. Price, \$35.00.



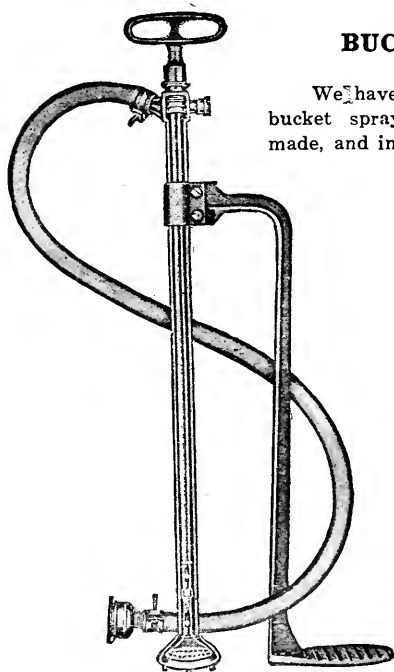
Binks No. 17
Barrel
Sprayer.

BUCKET SPRAY PUMPS

We have a full supply of the very best bucket sprayers. These are strong and well made, and indispensable for garden and small orchards. All are made of brass and supplied with bronze ball valves. They can also be used for whitewashing. All complete with hose and nozzle. Priced as follows:

Auto No. 2 Bucket Spray Pump, each, \$4.25; by parcel post, \$4.50.

Auto No. 6 Bucket Pump, double action, each, \$5.50; parcel post, \$5.80.



Auto No. 6 Double Action Bucket Pump.

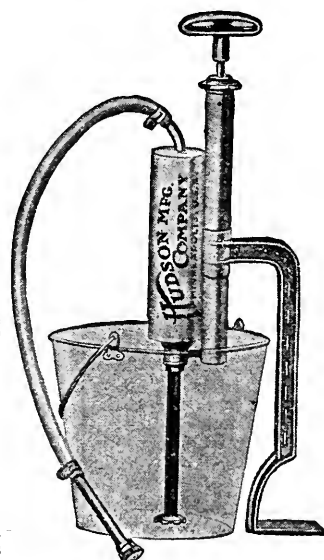
Myers No. 324 Lever Bucket Pump, each, \$9.50; by parcel post, \$9.85.

Myers No. 327 $\frac{1}{2}$ Plain Bucket Pump, each, \$6.00; by parcel post, \$6.35.

Lowell No. 109 Brass Bucket Sprayer, each, \$4.00; by parcel post, \$4.25.

Utility No. 95 Brass Bucket Pump, each, \$4.50; by parcel post, \$4.75.

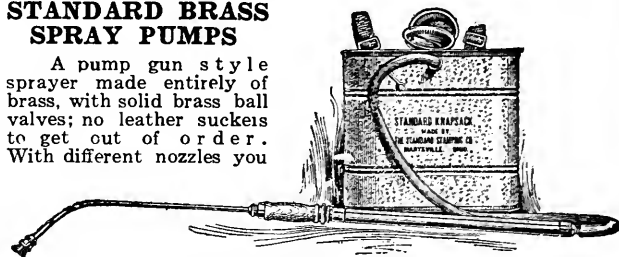
Magic No. 124 Bucket Pump.—All brass excepting handle and foot rest, has a large air chamber. Price, each, \$5.00; by parcel post, \$5.35.



Magic No. 124 Bucket Pump.

STANDARD BRASS SPRAY PUMPS

A pump gun style sprayer made entirely of brass, with solid brass ball valves; no leather suckers to get out of order. With different nozzles you

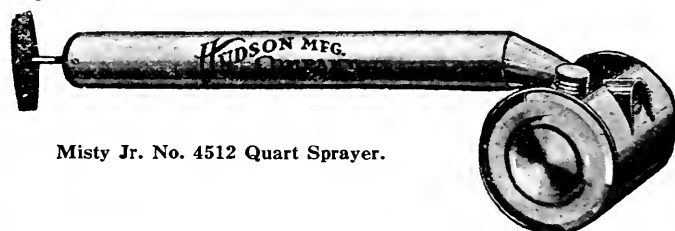


Standard Sprayer with Knapsack.

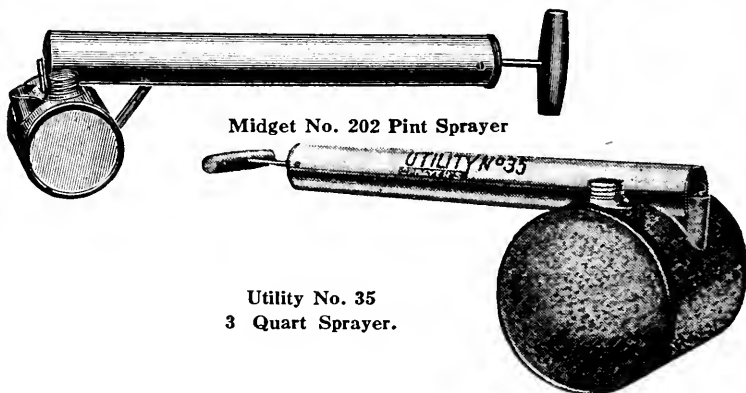
can spray large or small orchards, potatoes or garden crops and poultry houses and will also spray whitewash satisfactory. Write for circulars. Prices as follows: Standard Brass Spray Pumps with three nozzles. Each, \$5.00; by parcel post, \$5.30.

Standard Galvanized Knapsack Tank, each, \$3.50; by parcel post, each, \$4.00.

Standard Potato Extension Attachment.—All brass. Each, \$1.25; by parcel post, each, \$1.35.



Misty Jr. No. 4512 Quart Sprayer.



Midget No. 202 Pint Sprayer

Utility No. 35
3 Quart Sprayer.

HAND SPRAYERS

These are convenient and especially desirable for small garden spraying, poultry houses, etc.

No. 1 Faultless Hand Sprayer—Capacity, 1 qt., each, 60c; by parcel post, 80c.

Utility No. 323. One qt. galvanized tank sprayer, each, 80c; parcel post, \$1.00.

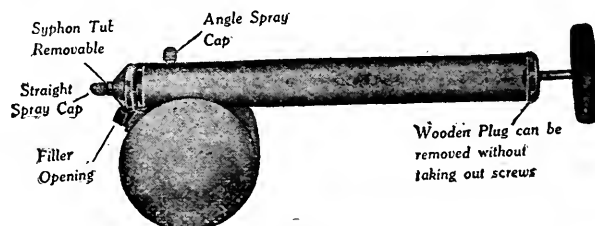
Misty Jr. No. 4512. One qt. tin sprayer, each, 50c; parcel post, 75c.

Midget No. 202. One pint tin sprayer, each, 40c; parcel post, 55c.

Acme No. 333. One qt. tin sprayer, each, 60c; parcel post, 80c.

Utility No. 25. One qt. glass jar sprayer, each, 75c; parcel post, \$1.00.

Utility No. 35. Three qt. galvanized tank sprayer, each, \$1.50; parcel post, \$1.75.



Auto No. 25 Compressed Air Sprayer.

COMPRESSED AIR HAND SPRAYERS

These make a continuous spray; easier to operate than the regular pump style.

Auto No. 25A.—One qt. size, all tin, each, \$1.00.

Auto No. 25B.—One qt. size tin pump, galvanized tank, each, \$1.25.

Auto No. 25C.—One qt. size, tin pump, brass tank, each, \$1.50.

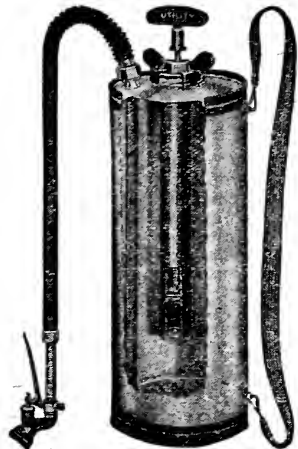
Acme No. 332.—One qt. continuous tin sprayer, each, \$1.00.

By parcel post, add 25c each extra.

Lowell Business Sprayer.—Holds one gallon, makes a continuous spray, with automatic shut-off nozzle and control lever. Each, \$3.75; by parcel post, \$4.00.



Auto Compressed Air Sprayer



Utility Compressed Air Sprayer

COMPRESSED AIR SPRAYERS



These work automatically, a few strokes of the plunger is all that is required. They are very convenient and satisfactory in every way; capacity, about 4 gallons.

No. IB Auto Sprayer, brass tank with auto pop. Each, \$12.00.

No. ID Auto Sprayer, galvanized tank with auto pop. Each, \$8.00.

No. IC Auto Sprayer, galvanized tank with stop cock. Each, \$7.50.

Utility No. 10 Compressed Air Sprayer, four-gallon galvanized tank, \$7.00.

Utility No. 15 Compressed Air Sprayer, four-gallon brass tank. Each, \$10.00.

Binks No. 22 Compressed Air Sprayer, with four-gallon galvanized tank. Each, \$8.50.

Binks No. 37 Compressed Air One-gallon Galvanized Tank Sprayer. Each, \$5.50.

Perfection No. 110. Compressed air four-gallon galvanized tank sprayer. Each, \$7.00.

Lowell No. 120. Compressed air sprayer one-gallon galvanized tank. Each, \$4.50.

By parcel post add 35c to above prices for packing and postage.

KNAPSACK SPRAY PUMPS

These outfits are most convenient. The tank is carried on the operator's back, and the spraying is effected as you walk along the rows of plants or trees.

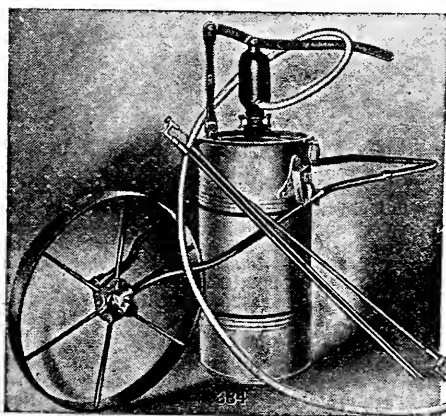
Tanks hold about 4 gallons. They come complete in every way for small gardens and potato crops. This job is one of the most convenient.

Prices f. o. b. Memphis, as follows:

Myers No. 380 Galv. Knapsack Sprayer, each, \$16.00.

Myers No. 331 Brass Tank Knapsack Sprayer, each, \$22.50.

PORTABLE SPRAY PUMPS



Portable Spray Pump

These are portable hand power sprayers easily moved. Tank holds 12 gallons, and is attached to a good truck all complete with hose couplings and nozzles.

Auto No. 40D Portable sprayer, galvanized tank, each, \$28.00.

Myers No. 329 Portable whitewash sprayer, each, \$15.00.

Binks No. 21 Portable Whitewash and Spray Machine. A general purpose pump. Price, each, \$20.00.

Ideal Portable Sprayer.—Equipment: tank 15 gallons, portable, attached to an iron wheelbarrow frame with wheel; 10 feet 3-8-in. pressure hose; 10 feet, 2-piece pipe extension; 1 T shut-off cock; 1 Brandt nozzle. Weight, 65 lbs. Price, \$25.00. Price with air tank, \$35.00.

POWDER GUNS

These are used for blowing dry insecticides and will save a waste of much material over the ordinary way of dusting with sacks or by hand. Prices as follows:

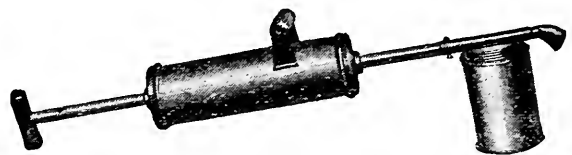
Dickey Bug Death Dusters. Each, 45c; by parcel post, 55c.

Bug Death Sifters. Each, 85c; by parcel post, \$1.00.

Lowell No. 108 Dry Powder Sprayer. Each, \$1.00; by parcel post, \$1.20.

Hand Insect Powder Gun. Each, 15c; by parcel post, 20c.

Auto Dry Powder Sprayer. Each, \$2.25; by parcel post, \$2.50.

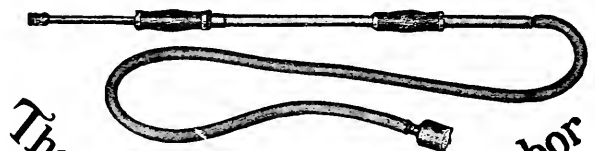


Feeney Hand Dust Gun

THE FEENEY HAND DUST GUN

The Feeney Dust Gun is ideal for applying all kinds of powdered insecticides and fungicides to trees, plants, vegetables, etc., for the control of all insects and fungus pests; for use in the flower garden and in greenhouses. May also be used to control vermin on poultry and in poultry houses and to apply all other powdered materials for various uses, such as to kill flies, roaches, etc. The hopper holds about one quart. Price, complete, \$2.50 each; by parcel post, \$2.80.

It's Double Acting



The Same Spray With Half The Labor

Auto No. 5.—Brass Sprayer

AUTO NO. 5 BRASS SPRAY PUMP

A double acting general purpose bucket and barrel pump, made entirely of brass. No leather washers to get out of order. Can be used in the garden or orchard. Price:

Auto Sprayer No. 5—Each, \$5.50; by parcel post, \$5.80.

Auto Knapsack Tank for No. 5 Pump—Each, \$4.00; by parcel post, \$4.50.

Auto Extension Elbow for No. 5 Sprayer—Each, 75c; by parcel post, 85c.

THE NEW MONARCH DUSTER

Easy to operate. One man can cover seven to ten acres a day with a Monarch Duster. Will distribute Arsenate of Lead, Paris Green, Sulphur, Slug Shot, etc., to perfection. The hopper holds about eight pounds of material sufficient to dust one acre. Ask for circulars about this splendid implement.

Price, \$18.00 each, f. o. b. Memphis.

SPRAY NOZZLES AND SUPPLIES

Auto Brass Extension Pipes. Two feet in length, each, 70c.

Auto Brass Elbow Extension, each, 50c.

Auto Pop Attachments, with hose, each, \$2.50.

Auto Pop Attachments, without hose, each, \$2.00.

Vermorel Nozzle. One-half inch thread, each, \$1.00.

Bordeaux Nozzle. One-half inch thread, each, \$1.00.

Febro Misty Nozzle. One-half inch thread, each, \$1.00.

Utility Nozzle, each, \$1.50.

Hose Couplings. One-half inch thread, each, 25c.

Hose Bands. Three-eighths inch, each, 10c.

Male end Connections. One-half inch thread, each, 25c.

Female end Connections. One-half inch thread, each, 25c.

Leather Plunger Washers, each, 10c.

Leather Connecting Washers, each, 5c.

Perfect Clinch Hose Mender, three-fourths inch, each, 15c.

Perfect Clinch Hose Couplings, three-fourths inch, each, 25c.

Iron Extension Rods, 3 ft., three-eighths inch, each, 60c.

Bamboo Extension Rods, 8 ft., each, \$4.00.

The Kirk Spray Nozzle, nickel, well made, each, \$3.50.

We carry a full supply of repairs for most all the sprayers we sell. Write us your wants.

SPRAY HOSE

We carry the best quality pure rubber hose, which is cut in lengths to suit. Prices as follows:

Three-eighths inch Spray Hose, per foot, 20c.

One-half inch Spray Hose, per foot, 20c.

Postage 2c per foot extra.

BINK'S STYLE "J" BUCKET PUMP

The Little Wonder.

Has all brass pump, brass ball valves and seats. So simple in construction that it is impossible to get out of order.

It is light, consistent with strength, durable and will render excellent service for spraying any materials from whitewash and cold water paints to insecticides and disinfectants.

This is a very popular general purpose sprayer and is an excellent outfit for those requiring a small machine. Price, \$12.60.

POULTRY FEED AND SUPPLIES

Prices quoted on all poultry supplies are for goods by express or freight, charges collect, and at purchaser's risk, unless otherwise quoted.
As the market changes on grain are so very frequent, we cannot make prices that will hold good throughout the season, but will be glad to quote upon application. For current prices see Special Green Ink price sheet enclosed.

PRATTS BABY CHICK FOOD



When baby chicks come, keep them healthy and growing and bring even the weak ones along by feeding **PRATTS BABY CHICK FOOD**.

A largely predigested baby food for baby chicks. Guaranteed to raise every livable chick. Prevents leg weakness, white diarrhoea, "pasting up" and other chick diseases.

Using Pratt's Baby Chick Food means Life Insurance for the baby chicks for the critical first three weeks period, at a very small outlay and guaranteed to give the little fellows a splendid start which will prove the foundation for the development of strong, healthy pullets and cockerels.

2½ lb. box, 30c; 5¼ lb. box, 60c; 14 lb. bag, \$1.40. By parcel post: 2½ lb. box, 40c; 5¼ lb. box, 75c; 14 lb. bag, \$1.70. For prices on larger quantities see Green Ink List enclosed.

FULL-O-PEP BABY CHICK FOOD

A complete grain feed for chicks from 3 to 8 weeks old. It is a standard mixture of re-cleaned cracked grains and seed, hulled oats, fine granulated bone and fine charcoal. It produces healthy and rapid growth, and is intended for feeding until the chickens are large enough to be fed the coarse chick feed. A trial will demonstrate its feeding value. 4 lb. pkg., 25c; by parcel post, 40c. See Green Ink list for bulk price.

FUL-O-PEP GROWING MASH

This is, without doubt, the finest quality growing mash ever placed at the disposal of the poultryman, large or small. It is, in part, Oatmeal ground fine—and we have nicely balanced it with other bone and muscle forming ingredients conducive to the making of rapid growth.



When the chicks are ten days old place Ful-O-Pep Growing Mash where they can help themselves at will. Keep it before them day in and day out. The more they get away with just so much better will they be in pounds of poultry meat. It has been formulated to meet the requirements of the growing chick; therefore, in it we have put all the necessary bone and muscle building material.

And to the chicks it is just like getting out on free range and feasting on bugs, worms, green stuff, etc., only in Ful-o-Pep Growing Mash we have gone the free range chick one better and given him many more good things to eat than he could possibly pick up shifting for himself. Price: 4 lbs., 25c; by parcel post, 40c. For price on 100 lb. bag see Green Ink list enclosed.

FULL-O-PEP OATMEAL

Ful-O-Pep Oatmeal is a specially prepared Oatmeal for Poultry, finely granulated, easily digested. There is no waste in feeding.

Feeding oatmeal to chicks and in fact to older fowls is one of the poultry raising secrets of successful poultrymen. It makes muscle, bone and nerves very rapidly—promotes big development, rapid growth and early maturity. It develops better layers and stronger cockerels.

Price: 2 lbs., 25c; 5 lbs., 50c; by parcel post, 2 lbs., 35c; 5 lbs., 65c.

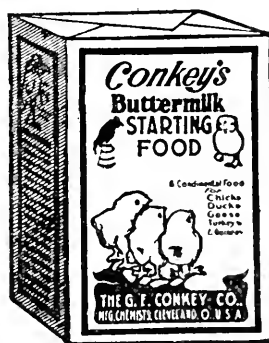
CHAMBERLAIN'S PERFECT CHICK FEED

Nature's own food blended together in just the proper proportions that make the raising of chickens a source of pleasure and profit. Contains Meat, Bone, Charcoal, Grit, Oatmeal, etc. Does not contain CORN, and avoids bowel trouble, and other diseases caused by improper food. Contains every ingredient necessary for the successful raising of baby chicks, making it unnecessary to feed them anything else. 3 lbs., 25c; 6 lb. pkg., 45c; by parcel post, 3 lbs., 35c; 6 lbs., 60c.



ROLLED OATS

A valuable food for both adult fowl and growing chicks. By freight, 3 lbs., 30c; by parcel post, 40c.



CONKEY'S BUTTERMILK STARTING FOOD

The history of poultry keeping records no triumph such as this wonderful chick food has had. The rich, pure buttermilk is mixed with a combination of clean, wholesome grains, balanced just right for the sensitive organs of the little chicks. The lactic acid keeps down dangerous germs; the buttermilk and grains make the chicks grow wonderfully fast, solid and sturdy. Try a small package and see for yourself. By freight, 2 lbs., 25c; 5 lbs., 50c; by parcel post, 2 lbs., 35c; 5 lbs., 65c.

BLATCHFORD'S MILK MASH

Will Save Your Baby Chicks.

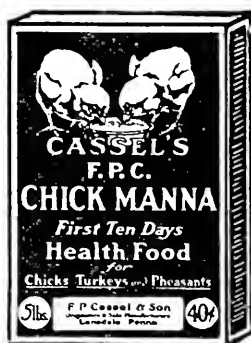
No more bowel trouble, leg weakness or white diarrhoea. Start right! Try a bag of this complete milk substitute, which nourishes all kinds of young poultry the same as pure whole milk, at half the cost. It is a perfect blending of just those food elements necessary for the very best results. Fancy milk-fed broilers or roasters fattened on it command top prices on account of their size and choice quality of meat. Two pounds will raise a chick to the age of three months. By freight, 4 lb. pkg., 40c; by parcel post, 50c.



F. P. C. CHICK MANNA

F. P. C. Chick Manna, or Health Food for Little Chicks.—Promotes and preserves health. Chicks when first hatched need no food for at least from 12 to 24 hours. Chick Manna should be the first food and exclusively fed for 10 days. 1 lb., 20c; 2 lbs., 35c; 3 lbs., 45c; 5 lbs., 70c; 15 lbs., \$2.00; 60 lbs., \$7.00. By parcel post, 1 lb., 27c; 2 lbs., 45c; 3 lbs., 60c; 5 lbs., 85c; 15 lbs., \$2.35.

Prices on all poultry feeds are of course subject to market fluctuations; therefore we only attempt here to quote small quantities.



PRICES—Account catalog going to press before spring market has been established on all field seeds, we are unable to quote quantity prices on this page. For current prices see Special Green Ink Price Sheet enclosed.

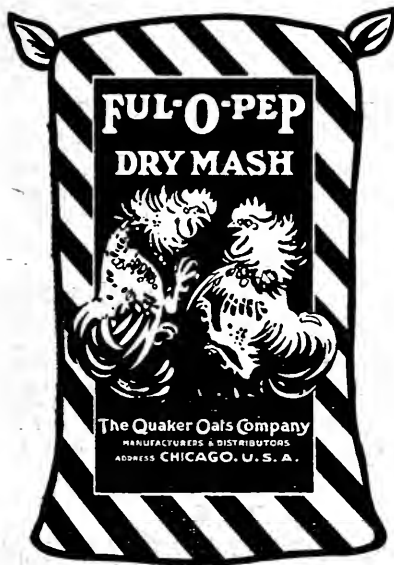
FUL-O-PEP DRY MASH

FUL-O-PEP MASH

Makes them lay lots of eggs, give hens lots of pep. It need not be mixed with anything else. Of course they may have table scraps and waste vegetables.

So let your watch-word be Mash and think of nothing else in connection with eggs. Feed Full-O-Pep Mash today, tomorrow and the next day, feed it for eggs and more eggs. Give Ful-O-Pep Scratch grains to add the finishing touches only, to keep the hen full, while on the roost, but don't feed it thinking it will make eggs, for you will not get eggs on an entirely grain ration. It's the Mash, the FUL-O-PEP Mash that does the trick.

You will agree with us when you try it, that Ful-O-Pep is the last word in an egg-producing ration. One quart to every ten hens. Feed it dry from one of Ful-O-Pep Hoppers, which sell for \$1.00. Price of Ful-O-Pep Mash: 5 lbs., 25c; by parcel post, 40c. For price on 100 lbs. or full bag lots, see Green Ink Price List which we enclose.



FUL-O-PEP SCRATCH FEED

This has been formulated to be fed in conjunction with Ful-O-Pep Dry Mash for best possible results. Not that we insist upon the use of this, our highest quality feed—in order that the mash may do its work satisfactorily—not that, because we guarantee Ful-O-Pep Dry Mash to produce more eggs when fed dry and kept before the birds at all times, whether Ful-O-Pep Scratch Grains is used or not. But it is, we firmly believe, the highest quality scratch feed offered the poultryman today—and we strongly urge that it be fed as the evening meal with Ful-O-Pep Dry Mash, in place of other grades. In short, where quality is desired Ful-O-Pep Scratch Grains is generally asked for and used.

Feed one quart to every ten hens. Throw it in straw, leaves or litter to make the hens scratch for it.

Price: 5 lbs., 25c; by parcel post, 40c.

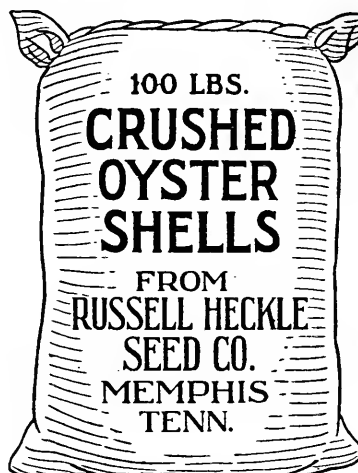
For price by the 100 lbs. bag, see Green Ink list enclosed.

DEVELOPING FOOD OR COARSE CHICK FEED

A mixture of grain a trifle larger than the Chick Food, to be fed to growing chicks after 8 weeks old. Contains such ingredients as are easily digested and flesh producing. A fine mixture in every particular. By freight, 4 lbs., 25c; by parcel post, 40c.

MICA POULTRY GRIT

This grit should be fed in hoppers or boxes. Grit is very necessary to keep poultry in a good healthy condition. We can furnish 2 sizes, for hens and for baby chicks. By freight, 6 lbs., 25c; by parcel post within third zone, 45c.



GROUND OYSTER SHELL

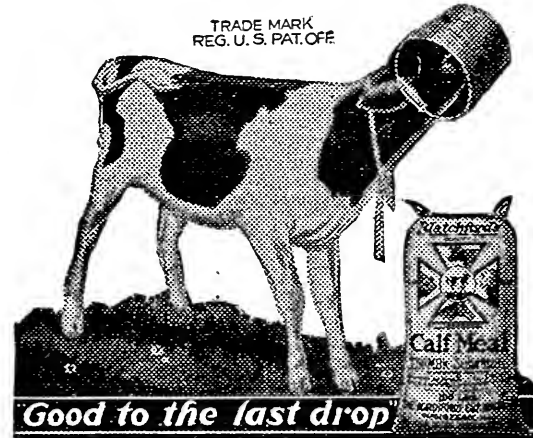
This should be fed from hoppers; keep it before your poultry daily. We have both the coarse for hens and the fine for pigeons and chicks. By freight, 8 lbs., 25c; by parcel post, within third zone, 45c.

CHARCOAL FOR POULTRY

Is made in three sizes, coarse, for hens; medium, for pigeons, and fine for baby chicks. Mix it either with their feed or to be used plain from hoppers. Nothing equals charcoal as a disease preventive. By freight, 2 lbs., 20c; by parcel post, 30c.

CRYS-CO GRIT AND SHELL PRODUCER

A shell producer and grit in one; hard, sharp, and cubical. It is the crystallized molluscan shell formation, or petrified shell; increasing the hens' laying power and keeping them healthy. Fine or coarse. By freight, 10 lbs., 25c; by parcel post, within third zone, 45c.



BLATCHFORD'S CALF MEAL

The Complete Milk Equal.

Just the thing to raise or veal your calves right from birth. Then sell your milk and get the benefit of the high creamery prices.

No more scouring calves.

It is absolutely the only milk substitute containing all the elements necessary for rapid and healthy growth, and the only calf meal that is thoroughly cooked and prepared for digestion. Being the original and best, it will push your calves forward better and quicker than any other food. By freight, 25 lbs., \$1.85; by parcel post, \$2.20.

BLATCHFORD'S PIG MEAL

From Sow to Pasture.

Wean your little pigs easily, safely and cheaply on Blatchford's Pig Meal. From Pig-hood to Porkage it gives big bone and solid flesh. Prevents loss of growth and vitality during the critical weaning period, and always makes the runts catch up. 25 lb. bag, \$2.00; by parcel post, \$2.35.

RED CROSS HEALTH GRIT

A tonic and grit combined for pigeons; one of the best preparations on the market. By freight, 5 lbs., 25c; by parcel post, 40c.

Red Cross Baby Chick Grit, 4 lbs., 25c. By parcel post, 40c.



TOP-NOTCH RABBIT MASH

A superior mixture, especially for Rabbits. The feed should be well dampened eight or ten hours before using. Feed nothing else except alfalfa hay and you will raise every Rabbit hatched. Price, 4 lbs., 25c; by parcel post, 40c.

BLATCHFORD'S RABBIT MEAL

A milk substitute for weaning rabbits. Avoids indigestion or slobbers. Should be fed to nursing does. If you want healthy, well developed, fast growing rabbits, be sure to try a bag of Blatchford's Rabbit Meal. Circulars on application. 25 lbs., \$2.00. By freight or express only.

PRICES.—Account catalog going to press before spring market has been established on all feeds, we are unable to quote quantity prices on this page. For current prices see Special Green Ink Price Sheet enclosed.

GLOBE BRAND PIGEON FOOD

Right feeding of pigeons is considered something of a problem. Most raisers do not understand either the pigeon or its feeding as well as they do poultry. The true fancier—the man who raises birds for their beauty, for the show, for the pleasure there is in it, or for sporting—finds in Globe Pigeon Feed a combination suited to his needs.

The seeds are especially chosen for pigeon feeding. Only those that have proven to be best adapted for this particular purpose are used. These include various grains, cracked and whole, peas and seeds, all clean, well matured, and always of a size so that the birds, young or old, are able to use every particle of it. By freight, 4 lbs., 25c; by parcel post, 40c.

SHAWNEE PIGEON FEED

A desirable mixture, contains the whole grain Argentine Corn. Some fanciers however prefer pigeon feed without corn. By freight, 4 lbs., 30c; by parcel post, 40c.

BEEF OR MEAT SCRAPS

A standard meat food for poultry of all ages. For success and profit it is absolutely necessary to supply them with plenty of animal food in winter to take the place of bugs and other insects which they get during the summer months. Feed from a dry food hopper. Let the fowls help themselves, they will not eat too much. By freight, 3 lbs., 25c; by parcel post, 35c.

TANKAGE OR MEAT MEAL

A pure lean-beef fibre, carefully dried while fresh, and will keep indefinitely. Its thorough dryness and the entire absence of any taint or unpleasant odor, make it a most excellent form of food for chickens and other fowls, as also for hogs. It is excellent for hopper feeding and may be mixed and fed in a mash to great advantage. By freight, 3 lbs., 25c; by parcel post, 35c.

DARLING'S MEAT CRISPS

A clean, wholesome, meat concentrate for poultry. Guaranteed to contain 75 per cent Protein and will keep perfectly under any condition, where ground grain will remain sweet. By freight, 3 lbs., 45c; by parcel post, 55c. By freight, 6½ lbs., 75c; by parcel post, 90c.

MISCELLANEOUS POULTRY FEED

	Price	Parcel post.
Alfalfa Meal, 5 lbs.	25c	40c
Blood Meal, 3 lbs.	40c	50c
Buck Wheat, 5 lbs.	50c	65c
Cotton Seed Meal, 5 lbs.	25c	40c
Corn Chops Sifted, 5 lbs.	30c	45c
Gluten Meal, 4 lbs.	30c	45c
Hemp Seed, 5 lbs.	80c	90c
Kaffir Corn, 5 lbs.	50c	60c
Linseed Oil Cake Meal, 4 lbs.	30c	40c
Millet Seed, 5 lbs.	50c	65c
Sunflower Seed, 5 lbs.	\$1.25	\$1.40
Wheat Feeding.	Ask Price	
Wheat Bran.	Ask Price	
Wheat Shorts.	Ask Price	
Canada Field Peas, 5 lbs.	50c	65c

FISH SCRAP

A highly concentrated product made of dried fish, being ground to the proper consistency; can be fed alone or mixed with the ration. One pound fish scrap to 10 lbs. mash or bran is the correct proportion to use.

Fish Scraps contain all the properties of both protein, ash, and mineral salts, therefore are claimed to be superior to commercial beef scraps. Price, 4 lbs., 25c; by parcel post, 40c.

BONE MEAL

This is especially valuable for poultry as an egg maker and prevents leg weakness in young chicks. Mix it in their feed. We can furnish the coarse for hens and the fine grade for chicks. 3 lbs., 30c; by parcel post, 40c.

SORE HEAD SPECIFIC

Health for chickens, as a cure or preventive, it is a wonderful preparation. No greasing, just give the remedy in the feed and it cures them at once. Price, war tax added, 52c; by parcel post, 60c.

DON SUNG



A new discovery, makes hens lay, absolutely guaranteed to put your hens in good condition and make them lay more eggs.

Don Sung (Chinese for egg laying), is given in the feed and doesn't force or burst the hen in any way; in fact, it makes her healthier. It is a new scientific discovery for hens, that merely stimulates the egg organs, making her strong and vigorous and as a result she lays regularly in any season. Try a box.

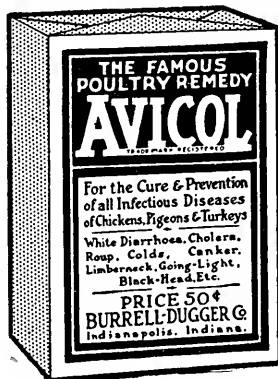
Price war tax added, box, 52c; parcel post paid. Large size, war tax added, box, \$1.04; parcel post paid.

Special size, war tax added, \$5.20; parcel post paid.

POULTRY MUSTARD

Improved digestion means greater nourishment from a given quantity of food; this means more eggs. This is not ordinary table mustard, but is prepared for poultry alone. Feed a teaspoonful for every six fowls; mix with dry meal, then add water.

1½ lb. box, 57c, war tax added; by parcel post, 65c; 3 lb. box, 98c, war tax added; by parcel post, \$1.10.



Price, trial box, war tax added, 26c; large box, war tax added, 52c; extra large box, war tax added, \$1.04; postage, 2c extra.

AVICOL STOPS CHICKS DYING

A safe and effective remedy in tablet form for White Diarrhoea, Cholera, etc., in small and large grown fowls, Avicol is now being used by thousands of successful poultry raisers the world over. Write for circulars.

CARBOLA



CARBOLA

The Disinfectant that paints. Carbola is infinitely superior to lime, which loses what slight disinfectant qualities it ever had by slacking when exposed to the air. It is very much better than kalsomine or whitewash, because it paints just as clean and bright a white, but will not chip, scale or peel off—no matter how many coats are applied. It may be used on either stone, brick, wood, metal or cement, and can be put on over a whitewashed or painted surface. Can be applied with either sprayer or brush. Price, trial pkg., post paid, 45c; by express, 25c; 10-lb. pkg., by express, \$1.00.

CHOLERINE

A scientific compound for curing cholera, roup and other poultry ailments; they take their own medicine, as the preparation is used in the drinking water. Two sizes. Bottles, 26c and 67c each, war tax added. Not available.

WATER GLASS

For preserving eggs; put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months with Sterlingworth water glass. One quart is sufficient for 12 dozen eggs. 1 qt. size, 35c; 1 gal. size, \$1.00. Not available.

LICENE

Licene will destroy every louse and "nit" on your chickens, usually keeping them free from lice for six months. Per tube, 60c, by parcel post, 5c extra.



Destroys worms in cattle, hogs and horses. Mixed in the feed the stock take their own medicine. Send for booklet for further information on this splendid preparation.

	Price by express, war tax added.	Parcel post, war tax added.
Salvet Stock Tonic, 5-lb. pkg.	68c	85c
Salvet Stock Tonic, 15 lbs.	\$1.56	\$1.86
Salvet Stock Tonic, 40-lb. box, not available.	3.12	
Salvet Stock Tonic, 100-lb. keg, not available.	7.00	
Salvet Poultry Tonic, pkg.	32c	40c
Salvet Lice Powder, pkg.	30c	40c
Salvet Gall Cure, pkg.	32c	35c

DETHOL DISINFECTANT

Absolutely sure death to all bugs, insects, ants, roaches and mosquitos. A clear liquid, this will not stain the most delicate article and is fully guaranteed in every way. Price, pint, 50c; quart, \$1.00; gallon, \$3.00; by freight or express only.

BAG BALM



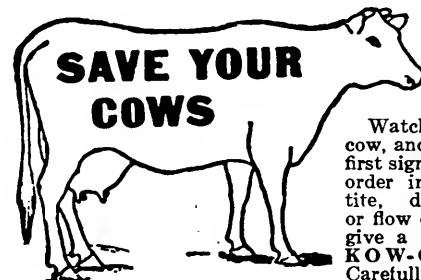
A soothing ointment. Relieves and cures udder trouble, caked bags, cow pox, chapping, inflammation of all kinds in cows. Prevents soreness, makes the cow an easy milker. Price per box, 52c, war tax added; by parcel post, war tax added, 58c.

PIPENE

One application cures the worst case of Roup. It is safer than all the other Roup powders which are given in the water, as Pipeine is injected in the nostrils from inside the mouth and one treatment effects a sure cure. Price, 62c, war tax added; by parcel post, 70c.

DIARRENE

Prevents and cures White Diarrhoea in baby chicks. Reaches the very seat of this dreaded trouble, and is absolutely a sure and safe remedy. Price, 62c, war tax added; by parcel post, 67c.



Watch every cow, and at the first sign of disorder in appetite, digestion or flow of milk, give a dose of KOW-CURE. Carefully follow the directions as given on the box, and that cow will get well.

KOW-KURE is in powder form, to be given in regular feed. It cures abortion, barrenness and scours, caked udder, removes retained afterbirth, purifies the blood, strengthens the appetite, vitalizes the nerves and prevents disease. It increases the milk. It is a medicine for cows only. Price, war tax added, small size, 63c; by parcel post, 75c. Price, war tax added, large size, \$1.25; by parcel post, \$1.40.

WRIGHT'S CONDENSED SMOKE

is a liquid smoke and contains nothing except what is obtained by burning hickory wood.

The New Way of Smoking Meat.

By applying 2 coats of Wright's Condensed Smoke directly to the meat with a brush after meat has gone through the salt, it will be thoroughly smoked; will have a delicious flavor and will keep solid and sweet and free from insects through the entire summer. Trial size, 26c per bottle, war tax added; quart size, \$1.04, war tax added. By express only.

SEEDS, BULBS, FRUIT TREES, POULTRY SUPPLIES AND GARDEN TOOLS

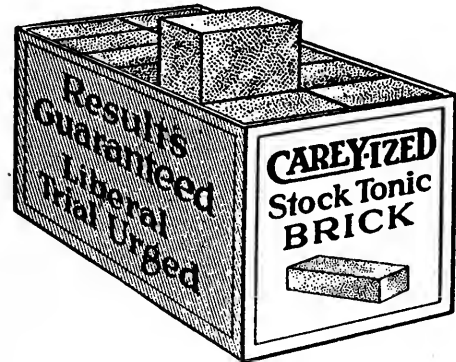
TALCIMIZED SODIUM FLUORIDE

The U. S. Department of Agriculture recommends Sodium Fluoride to kill poultry lice. They report that it does the work better than anything else, killing both old and young lice; including the young which come from the eggs present on the fowl at the time of treatment. Price, per box, 35c; by parcel post, 45c.

COAL-TAR ZENOLEUM DISINFECTANT-DIP

A scientifically compounded preparation. The various kinds are used for live stock and poultry to prevent lice and mites as well as general use about the farm, barn and hen house. Zenoleum is used and recommended by fifty agricultural colleges and experimental stations.

	By Exp.	Parc. post.	
Zenoleum Dip and Disfet., 8-oz. can.	35c		
Zenoleum Dip and Disfet., 1-qt. can.	75c		
Zenoleum Dip and Disfet., 2-qt. can.	1.25		
Zenoleum Dip and Disfet., 1-gal. can.	2.00	Not	
Zenoleum Dip, 5-gal. can.	8.00	mail-	
Zenoleum Lice Paint, 1-qt. can.	60c	able.	
Zenoleum Lice Paint, 2-qt. can.	1.00		
Zenoleum Lice Paint, 1-gal. can.	1.50		
Zenoleum Lice Powder, box	30c	40c	



SALT BRICK

Careyzed Salt Brick. Pure salt in brick shape, pressed very hard. 3-lb. brick, 35c; 50-lb. brick, \$3.25. Blackman's Medicated, each, 30c; by parcel post, 45c. Plain Salt Brick, each, 25c; by parcel post, 45c. Rock Salt, lumps, 30 lbs., 50c; 40 lbs., 65c; 100-lbs. \$1.50. By freight or express only.

BEE DEE STOCK AND POULTRY POWDERS

A poultry and stock medicine, formerly called Black Draught. Highly recommended for all stock and poultry troubles, hog cholera, etc. 32c a can, war tax added; by parcel post, 37c.

PHENOLENE

Sherwin-Williams Phenolene.—A reliable dip and disinfectant, is absolutely pure and very powerful. Indispensable in the sick room, as well as for burns, insect bites, etc. Excellent for dogs, poultry, cattle, sheep, horses and hogs. Phenolene for general disinfecting should be mixed one part Phenolene to 100 parts of water. 8 ozs., 35c; pint, 40c; qt., 60c; gal., \$1.75. Cannot be mailed.

BEE BRAND INSECT POWDER

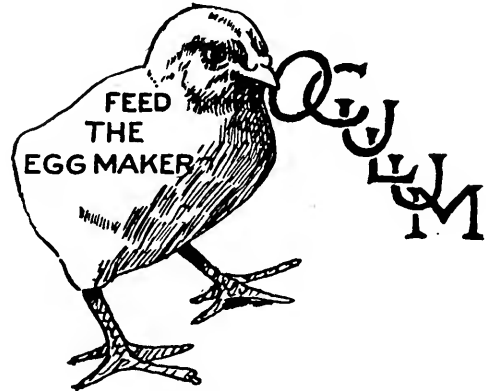
Absolutely the most effective and satisfactory insect powder on the market; also good against fleas, lice and the pesky fly. Small can, 25c; large can, 50c. By parcel post, small can, 30c; large can, 60c.

BIRD AND GOLD FISH SUPPLIES

	By Exp.	war tax added.	Parc. post.
Sterlingworth Bird Tonic	\$.26	\$.35	
Sterlingworth Song Restorer	.26	.30	
Phil. Bird Manna, each	.16	.20	
Phil. Canary Seed, pt. box	.25	.35	
Phil. Silver Gravel, pt. box	.10	.25	
Phil. Red Gravel, pt. box	.10	.25	
Red Cross Bird Grit	.15	.22	
Phil. Mite Powder, box	.25	.30	
Phil. Bird Bitters, bottle	.26	.35	
Phil. Moulting Pepper, box	.26	.35	
Phil. Plumage Restorer, box	.26	.35	
Phil. Merican Salve, box	.26	.30	
Phil. Nestling Food, box	.30	.40	
Phil. Nestling Hair, pkg	.10	.15	
Phil. Book on Birds, each	.15	.20	
Wafer Gold Fish Food, box	.15	.20	
Natural Gold Fish Food	.15	.20	
Spratt's Mixed Parrot Food	.26	.30	

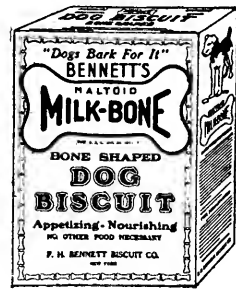
BULK BIRD SEED

Mixed Canary Seed, 1 lb., 25c; 2 lbs., 45c. Plain Canary Seed, 1 lb., 25c; 2 lbs., 50c. Bird Rape Seed, 1 lb., 20c; 2 lbs., 35c. Hemp Seed, 1 lb., 20c; 2 lbs., 35c. Bird Millet Seed, 1 lb., 15c; 2 lbs., 25c. Sunflower Seed, 1 lb., 25c; 2 lbs., 45c. If wanted by mail, add 8c per lb. extra.



OCULUM FOR POULTRY

Prevents and cures white diarrhoea in baby chicks; a scientific remedy and prevention of poultry diseases; also a splendid egg producer. Circulars upon application. Per bottle, war tax added, 52c. Large size, \$1.04. Not mailable.



BENNETT'S MILK BONE DOG AND PUPPY CAKES

	By Exp.	Parc. post.
Bennett's Milk Bone Dog Cakes, box	40c	50c
Bennett's Milk Bone Puppy Cakes	40c	50c

SPRATT'S DOG CAKES

	By Exp.	Parc. post.
Spratt's Dog Cakes, 2-lb. box	40c	50c
Spratt's Dog Cakes, 4-lb. box	70c	85c
Spratt's Dog Cakes, 25-lb. box	\$3.00	

FLY SPRAYS

These are used to keep flies off cows and horses. We carry the best brands on the market.

	Qt.	Gal.
S. & W. No Fly	50c	\$1.75
Cow Ease	50c	1.75
Pee Gee Fly Chaser	50c	1.50
Conkey's Fly Knocker	75c	2.00

These cannot be mailed.

Rat Cure NEVER FAILS

IN TABLET FORM RAT CURE

In Tablet Form.

A wonder in its work; never fails; kills every time, and not dangerous to handle. Being in tablets it does not require any mixing, therefore always ready for use. Place along the walls and in or near rat holes. Per can, 26c, war tax added. Not mailable.

RAT ANNIHILATOR

The modern rat destroyer. Kills and completely consumes the body of the rodent, leaving no bad odor. Simple to use, safe, sure and sanitary. Per box, 22c; 12 boxes, \$2.50, war tax added.

STERLINGWORTH SALT CAT

A scientific combination to keep pigeons in health. Every pigeon fancier should feed Salt Cat. Per brick, 22c, war tax added; by parcel post, 30c.

STERLINGWORTH REMEDIES, ETC

	Per Box, war tax added.	Parc. post.
Sterlingworth Ant Driver	26c	30c
Sterlingworth Red Bug Killer	26c	30c
Sterlingworth Roach Killer	26c	30c
Sterlingworth Roach Killer	83c	90c

SALVET HOG OIL

A medicated oil for using in any make of hog oiler. This is much superior to any black oil; lasts longer and does the work more thoroughly. 5-gal. can, \$4.00; by express only.



KILL RATS

New Way DANYSZ RAT VIRUS



In France, the world's most famous laboratory has discovered this germ that kills rats and mice by science. Absolutely safe. Cannot possibly harm human beings, dogs, cats, birds or pets. Quickly clears dwellings, factories, storage

plants, barns, chicken houses, etc., with no offensive after-effects.

Price per tube 75c, parcel post paid. Write for free books, etc., on rats and mice and how to get rid of them.

TOM'S HOG MAKER

Prevents Cholera. Keeps them in good condition. Feed them bran or shorts and give them Tom's Hog Maker every other day and you can feel safe as far as disease is concerned. 1 1/2-lb. pkg., \$1.56, war tax added; 20-lb. pkg., \$15.40, war tax added. By parcel post, war tax added, 1 1/2-lb. pkg., \$1.65.

TOM'S WORM DESTROYER

If your hogs are not taking on flesh, they are more than likely wormy. Get them Tom's Worm Destroyer. Three doses fed in slop will clean them out thoroughly, then feed Tom's Hog Maker and watch them fatten. Tom's Worm Destroyer, per lb., \$1.04, war tax added. By parcel post, \$1.15.

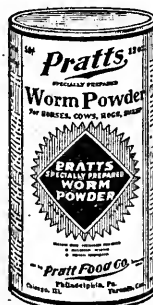
Pratts

POULTRY REMEDIES ANIMAL REGULATOR VETERINARY REMEDIES



	By Exp., war tax added.	By Parc. post.
Pratt's Poultry Regulator.....	\$.32	\$.40
Pratt's Poultry Regulator.....	.63	.75
Pratt's Poultry Regulator.....	1.24	1.45
Pratt's Poultry Regulator, 12-lb. pail.....	1.82	2.10
Pratt's Poultry Regulator, 25-lb. pail.....	3.12	3.50
Pratt's Roup Remedy.....	.26	.30
Pratt's Cholera Remedy.....	.26	.30
Pratt's Gape Remedy.....	.32	.35
Pratt's Sorehead Remedy.....	.26	.35

	By Exp., war tax added.	By Parc. post.
Pratt's Head Lice Ointment.....	.25	.30
Pratt's White Diarrhoea Cure.....	.26	.30
Pratt's Lice Powder.....	.30	.40
Pratt's Condition Tablets.....	.26	.30
Pratt's Animal Regulator.....	.32	.40
Pratt's Animal Regulator.....	.63	.75
Pratt's Animal Regulator, 25-lb. pail.....	4.16	4.60
Pratt's Animal Worm Powder.....	.53	.60



SATISFACTION GUARANTEED OR MONEY REFUNDED

LEE'S POULTRY SUPPLIES

	By Exp., war tax added.	By Parc. post.
Lee's Hog Remedy, box.....	\$.78	\$.88
Lee's Egg Maker, 2-lb. box.....	.37	.45
Lee's Egg Maker, 5-lb. box.....	.78	.90
Lee's Lice Powder, small size.....	.25	.35
Lee's Lice Powder, large size.....	.50	.65
Lee's Eggolatum, per jar.....	.52	.60
Lee's Germozone Tablets, box.....	.78	.80
Lee's Egg-O-Hatch, box.....	.52	.60
Lee's Liquid Lice Killer, 1 qt.....	.50	*
Lee's Liquid Lice Killer, 2 qts.....	.75	*
Lee's Liquid Lice Killer, gallon.....	1.25	*
Lee's White Diarrhoea Remedy, 4-oz. bottle.....	.26	*
Lee's White Diarrhoea Cure, 12-oz. bottle.....	.52	*
Lee's Germozone Liquid, 4-oz. bottle.....	.42	*
Lee's Germozone Liquid, 12-oz. bottle.....	.78	*
Lee's Germozone Liquid, 1-qt. bottle.....	1.56	*

Articles marked * are not mailable.

CONKEY'S POULTRY REMEDIES

We recommend Conkey's, because we know Conkey's is absolutely dependable. Conkey's must satisfy you or we'll refund your money quick. Send 4c in stamps for valuable book on making poultry pay.

POULTRY REMEDIES.

	By Exp., war tax added.	By Parc. post.
Conkey's Cholera Remedy, small size.....	\$.32	\$.35
Conkey's Cholera Remedy, large size.....	.63	.70
Conkey's Gape Cure, small size.....	.32	.35
Conkey's Gape Cure, large size.....	.63	.70
Conkey's Roup Powder, small size.....	.32	.35
Conkey's Roup Powder, large size.....	.63	.70
Conkey's Roup Pills, small size.....	.32	.35
Conkey's Roup Pills, large size.....	.63	.70
Conkey's White Diarrhoea Cure, small size.....	.32	.35
Conkey's White Diarrhoea Cure, large size.....	.63	.70
Conkey's Sorehead Remedy, small size.....	.32	.35
Conkey's Sorehead Remedy, large size.....	.63	.70
Conkey's Scaly Leg Remedy, small size.....	.32	.35
Conkey's Poultry Worm Remedy, small size.....	.32	.35
Conkey's Poultry Laxative, small size.....	.32	.35
Conkey's Poultry Conditioner, small size.....	.32	.35
Conkey's Limber Neck Remedy, large size.....	.63	.70
Conkey's Head Lice Ointment, small size.....	.15	.20
Conkey's Head Lice Ointment, large size.....	.30	.35
Conkey's Lice Fix, small size.....	.30	.35
Conkey's Lice Fix, large size.....	.60	.65
Conkey's Canker Special, large size.....	.63	.70
Conkey's Lice Powder, small size.....	.15	.20
Conkey's Lice Powder, 15-oz. size.....	.30	.35
Conkey's Lice Powder, 48-oz. size.....	.60	.65
Conkey's Poultry Tonic, small size.....	.32	.40
Conkey's Lice Liquid, quart can.....	.50	*
Conkey's Lice Liquid, 1/2-gal. can.....	.75	*
Conkey's Lice Liquid, gallon can.....	1.25	*
Conkey's Noxicide, pint can.....	.40	*
Conkey's Noxicide, quart can.....	.70	*
Conkey's Noxicide, 1/2-gal. can.....	1.00	*
Conkey's Noxicide, gallon can.....	1.75	*

STOCK REMEDIES.

	By Exp., war tax added.	By Parc. post.
Conkey's Stock Tonic, small size.....	\$.32	\$.40
Conkey's Stock Tonic, medium size.....	.63	.70
Conkey's Stock Tonic, large size.....	1.25	1.45
Conkey's Stock Tonic, 12-lb. pail.....	2.08	2.40
Conkey's Healing Salve, small size.....	.32	.37
Conkey's Gall Salve, small size.....	.32	.37
Conkey's Gall Salve, large size.....	.63	.68
Conkey's Cow Special, small size.....	.63	.70
Conkey's Cow Special, large size.....	1.25	1.35
Conkey's Warming Liniment, small size.....	.63	*

Articles marked * cannot be mailed.

THOMAS HOG, POULTRY AND STOCK POWDER

Dr. Thomas Hog Powders, 2-lb. pkg.....	\$.63	\$.70
Dr. Thomas Hog Powders, 5-lb. bag.....	1.24	1.35
Dr. Thomas Poultry Powders, small size.....	.32	.40
Dr. Thomas Poultry Powders, large size.....	.63	.70
Dr. Thomas Stock Powder, small.....	.32	.40
Dr. Thomas Stock Powder, large.....	.63	.70
Dr. Thomas Stock Powder, 5-lb. bag.....	1.24	1.35
Dr. Thomas Hog Powder, 15-lb. pail.....	2.08	2.30
Dr. Thomas Stock Powder, 25-lb. pail.....	2.60	2.90

INTERNATIONAL POULTRY AND STOCK SUPPLIES

International Poultry Food, small size.....	\$.32	\$.40
International Poultry Food, large size.....	.63	.70
International Stock Food, small size.....	.32	.40
International Stock Food, large size.....	.63	.70
International Stock Food, 25-lb. pail.....	3.64	4.14
International Worm Remedy.....	.63	.70
International Gape Remedy.....	.32	.35
International Colic Remedy.....	.63	*

DR. HESS' POULTRY AND STOCK FOOD

Dr. Hess' Poultry Panacea, small.....	\$.32	\$.40
Dr. Hess' Poultry Panacea, medium.....	.78	.95
Dr. Hess' Instant Louse Powder.....	.30	.40
Dr. Hess' Stock Food.....	.32	.45
Dr. Hess' Stock Food.....	.63	.80

O. K. POULTRY LITTER

A perfect scratching material. Superior to straw, alfalfa, meal, etc. A deodorizer, absorbent disinfectant and labor-saving litter. It absorbs all the moisture from droppings. Will last for several months in your brooder or poultry house. Price, 4 lbs., 25c; 20 lbs., \$1.00. By parcel post, within 3rd zone, 4 lbs., 40c; 20 lbs., \$1.40.



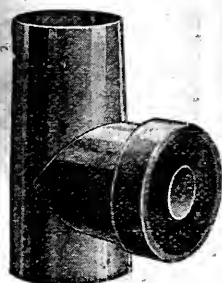


RELIABLE EGG CARRIER

One of the safest, best and most complete egg carriers on the market. It is equipped with an adjustable cover and a patent combination lifter and fastener. Price, 12 doz. egg size, each, \$2.00. By parcel post, within 3rd zone, \$2.25.

PETTEY POULTRY PUNCHES

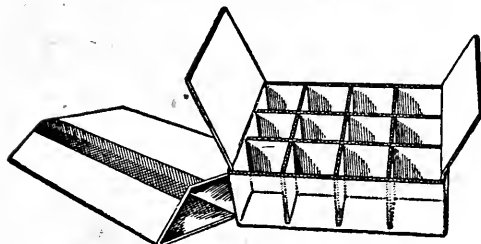
These are made for marking baby chicks by punching a hole in the web between the toes; does not lame the chicks, and will mark the various grades. Very simple and satisfactory. Price, each, 25c; parcel post paid.



THE DANDY EGG TESTER

Will fit any hand lamp and test your eggs in a most satisfactory manner. Price, each, 35c; by parcel post, 45c each.

PARCEL POST EGG BOXES



These boxes are so constructed that each egg is separated by a thickness of corrugated board and the entire contents are surrounded by a double wall of air-cushioned corrugated board. Absolute protection is therefore assured.

	Express.	Parcel post.
	Each	Doz.

12-egg size	.20	\$1.75	.30	\$1.95
24-egg size	.25	2.25	.35	2.50
36-egg size	.35	2.75	.45	3.10
48-egg size	.40	3.50	.50	3.80
60-egg size	.45	4.25	.55	4.60
72-egg size	.50	4.75	.60	5.25
120-egg size	.75	7.50	.85	8.10

MOE'S TRAP-NEST FRONT

The Trap Nest Front that we offer is quickly attached to any box style nest. Cheaper and better than making your own. Simple in design well made, trapping the hen without fail. It is a pleasure to use a well made article of this kind. It is made from galvanized iron, 11 inches wide, 12 inches high, and is furnished complete with hinges, top fasteners, screws, etc. Price, 60c each. By parcel post, 75c.



These are adjustable to fit any size fowl, very light and will not come off easily. Numbered from 1 to 300. Price, per doz., 15c; 25, 25c; 100, 75c; parcel post paid.

CELLULOID KEY RING



Perfection Colored Celluloid Bands.—These slip on like a key ring; cannot drop off; easily removed if necessary. Made of the various colors—white, pink, yellow, green, dark blue, light blue, red and ruby. Made in all sizes. When ordering state for what breed and color you want them. Prices as follows:

12 for 20c; parcel post, 25c.
25 for 35c; parcel post, 40c.
50 for 60c; parcel post, 65c.
100 for \$1.00; parcel post, \$1.10.

COLORLED CELLULOID CHICK BANDS

These are similar to the hen size. They slip on like a key ring. A very convenient and simple method of marking chicks. Colors the same as the hen bands. Prices as follows:

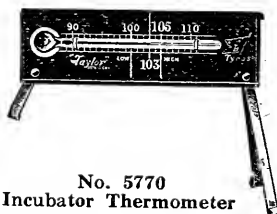
Dozen, 15c; 25, 25c; 50, 50c, parcel post paid.

EYRIE EGG BOXES

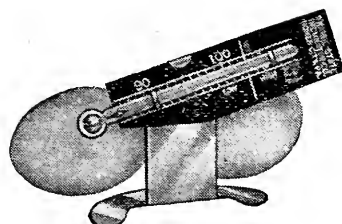
Specially made for shipping or delivering eggs for setting by express. They are made of corrugated paper, which is the best packing material known. It provides a cushion, which while elastic, will not crush. The insertion of the handle automatically locks the box. The handle also prevents the putting of anything on top of the box, and provides a means of handling it, thus limiting the liability of rough usage by the express agent.

	Express.	Parcel post.
	Each	Doz.

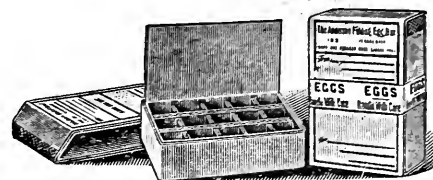
15-egg size	.25	\$2.75	.35	\$2.95
30-egg size	.40	4.00	.50	4.35



No. 5770
Incubator Thermometer



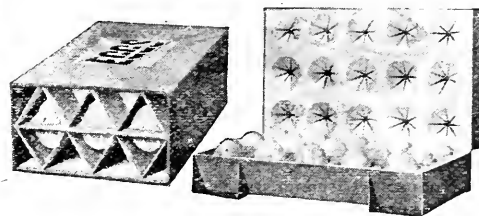
Prairie State Incubator
Thermometer



ANDERSON SITTING EGG BOXES

are made of corrugated paper with double-faced corrugated paper partitions protecting each individual egg.

	Express.	Parcel post.
	Each	Doz.
15-egg size	.25	\$2.50
30-egg size	.40	3.25
50-egg size	.50	4.75
100-egg size	.85	8.00



DIAMOND EGG BOX

This is the strongest and safest egg shipping box on the market. Especially recommended for sitting eggs.

	Express.	Parcel post.
	Each	Doz.
15-egg size	.30	\$3.00
30-egg size	.45	4.00
50-egg size	.60	5.75
24-egg size	.35	3.50
36-egg size	.45	4.25
48-egg size	.55	5.75
60-egg size	.70	8.00
72-egg size	.80	9.00

MOE'S REGAL SITTING EGG BOXES

Every egg in a separate cardboard tube, protected by a heavy outside corrugated cardboard box. One of the strongest shipping boxes for sitting eggs on the market.

	By Exp.	Parcel post.
	Each	Doz.
15-egg size, each	.25	\$3.00
30-egg size, each	.40	5.00
50-egg size, each	.60	7.50

SCOUT EGG CARTONS

For delivering eggs to customers. Cannot be used for shipping. Shaped long, two rows, holding six eggs each; strong, well locked.

	By Exp.	Parcel post.
	Each	Doz.
1 dozen	.25	\$3.50
100	1.50	1.85

INCUBATOR AND BROODER THERMOMETERS

We handle the celebrated Tyco's Thermometer. They can be used in any make of incubator. Just state which machine you are using and whether you want the Thermometer to hang or to stand.

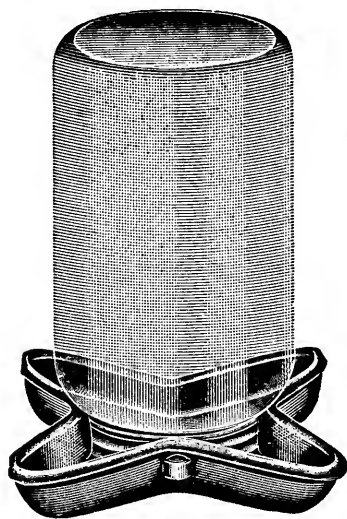
Prices as follows:

No. 5770. Straight pattern, with adjustable legs, each	\$1.00
No. 5774. Angle pattern, to hook on wire, each	1.00
No. 5782. Certified Thermometer, each	1.25
Buckeye Incubator Thermometer, each	1.20
Prairie State Incubator Thermometer, each	1.00
Queen Incubator Thermometer, each	1.25
Old Trusty Incubator Thermometer, each	1.25
Cycle Hatcher Incubator Thermometer, each	1.00
Cyphers Incubator Thermometers, each	1.00
No. 5790 Brooder Thermometer, each	.75
Mandy Lee Thermometers, each	1.25
Mandy Lee Hygrometers, each	2.00

By parcel post, 10c extra.

TYCOS INCUBATOR HYGROMETERS

Millions of chicks die in the shell every year for the want of proper moisture conditions. The importance of a correct percentage of moisture during incubation has made the "Tyco's" Incubator Hygrometer as necessary as the "Tyco's" Incubator Thermometer. Price, each, \$1.50; by parcel post, \$1.60.

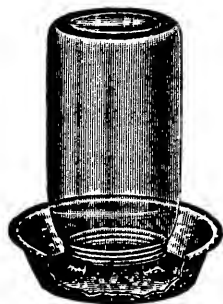


Star Chick Fountain.

STAR CHICK FOUNTAIN

No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason jar. Convenient, cheap and sanitary. One size only. No. 32, each, 15c; 6 for 85c. By parcel post, each, 20c; 6 for \$1.10. Price of holder without jar. Use your own.

ECONOMY POULTRY FOUNTAIN AND FEEDER



Economy Fountain.

These pans make one of the finest feeders that we know of. In the first place there is nothing loose — only one part. Nothing to get lost. The feet supporting the thread socket into which the Mason jar screws are firmly electric welded to the bottom of the pan. They can be used for either food or water and afford a constant clean supply. We do not furnish the glass jar, but any Mason jar will fit them.

Express. Parcel post.
Each 6 Each 6

No. 10 Economy Fountain..... \$.35 \$2.00 \$.45 \$2.25

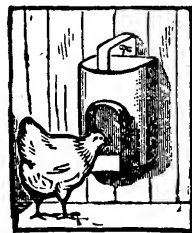


Oakes Feeder and Fountain.

OAKES FEEDER AND FOUNTAIN

A galvanized pan made to hold any Mason fruit jar. Easily cleaned and keeps water always so it can be seen.

Can be used either for feed or water. We do not furnish jars. Price, each, 15c; 2 for 25c; by parcel post, each, 20c; 2 for 35c.



Standard Wall Fountain.

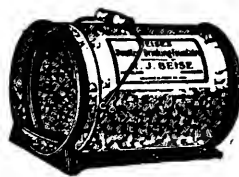
STANDARD WALL FOUNTAINS

are made of the best galvanized iron and will last many years with the proper treatment. It can be hung on wall of a building or against an upright post or board at any height. A hood projects over the water trough and prevents the water from becoming soiled.

	By	Parc.
	Exp.	post.
1-qt. size.....	\$.50	\$.60
1-gal. size.....	.90	1.15
2-gal. size.....	1.25	1.45

BIESE'S PATENT DRINKING FOUNTAIN

Made of heavy galvanized iron, lays flat, and fowls have easy access to the water, but cannot soil it. Good for both hens and chicks.



Biese Patent Drinking Fountain.

Exp. P. P.
3-qt. \$.50 \$.65

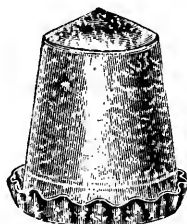


ATSATT'S SANITARY CHICK DRINKING FOUNTAIN

Will go in any brooder; easy to clean; will not upset; 1-qt. size, only, express, 50c. By parcel post, 60c.

TWO-PIECE CHICK FOUNTAINS

This fountain consists of a cone-shaped bucket or can, and a stamped pan which forms the base and the trough from which the fowls drink. 1-qt. size, each, 35c; by parcel post, 45c.



Two-Piece Chick Fountains.



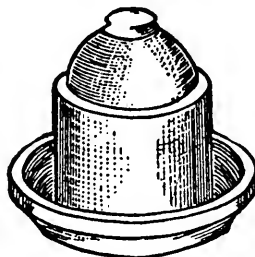
Coop Drinking Cup.

COOP DRINKING CUP

Used for mating or exhibition coops. 25c each; 12 for \$2.50. parcel post, 30c each.

STONEWARE JUG-SHAPED POULTRY FOUNTAIN

It is made in two parts, the saucer being separated from the upper portion, so it can be easily separated and thoroughly cleaned. Not mailable. 2-qt., 40c; 4-qt., 60c; 8-qt., 85c.



Stoneware Jug-Shaped Fountain.

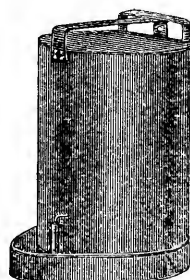
PHILADELPHIA GALVANIZED IRON DRINKING FOUNTAIN

Made of heavy galvanized iron, all seams being carefully turned and soldered. Easily cleaned.

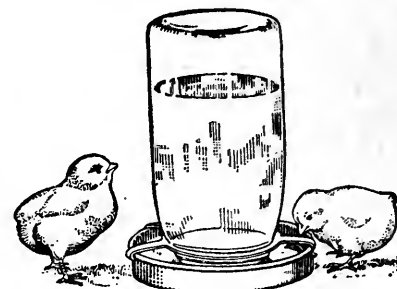
	Exp.	P. P.
1-qt. size.....	\$.35	\$.45
2-qt. size.....	.50	.60
1-gal. size.....	.75	.90
6-qt. size.....	1.00	1.20

OAKES IMPROVED DROP BOTTOM FOUNTAIN

Easily cleaned. Convenient and well made. A new style fountain that will please. 1/2-gal. size, 85c; by parcel post, \$1.00; 1-gal. size, \$1.25; by parcel post, \$1.50.



Oakes Improved Drop Bottom Fountain.

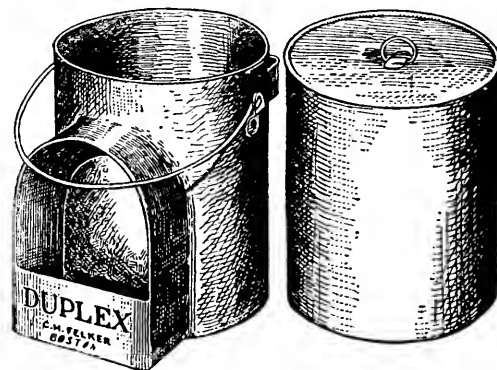


The N. W. Chick Fountain.

THE N. W. CHICK FOUNTAIN

Feeds water, grain, etc., automatically. Is easy to fill and operate. Just lift the trigger, which releases pan, clip remaining on jar, leaving pan without any obstruction, affording easy cleaning. Made to fit any half-gallon quart or pint Mason jar. We do not furnish jars.

	Express.	Parcel post.
	Each Three	Each Three
Small size.....	\$.20 \$.50	\$.25 \$.60
Large size.....	.25 .65	.30 .75



The Duplex Fountain.

Top section slides into bottom section.

THE DUPLEX FOUNTAIN

The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill, easy to care for. Made in two sizes. Try a Duplex. 4-qt., \$1.25; 8-qt., \$1.75. By parcel post, 4-qt., \$1.50; 8-qt., \$2.10.

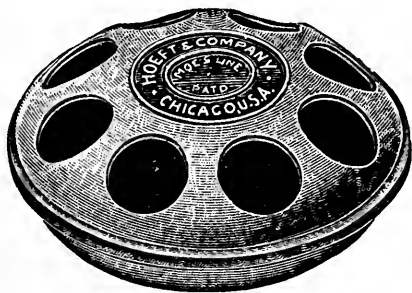


Moe's Top Fill Fountain.

MOE'S TOP FILL FOUNTAIN

The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill—easy to care for.

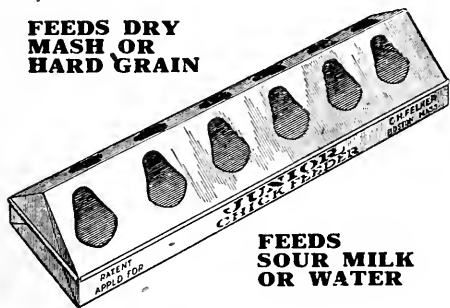
	Exp.	P. P.
1-gal. size.....	\$2.00	\$2.25
2-gal. size.....	2.75	3.00



MOE'S ROUND BABY CHICK FEEDER

The most convenient and commodious feeder on the market. Can also be used for water. Manufactured in two sizes.

	Exp. P. P.	
No. 11.....	\$.25	\$.30
No. 12.....	.35	.45



JUNIOR CHICK FEEDER

Accessible from both sides. Easily tilted and cleaned. A most convenient little feeder. Each, 40c; by parcel post, 50c.

STANDARD GRIT AND SHELL BOX

By the use of these self-feeding boxes practically every particle of grit, oyster shells, bone, meal, forcing food, grain, scraps and other materials supplied will be properly used, preventing all waste, and thus increasing the profits

	Exp. P. P.	
2 compartments, each.....	\$.50	\$.60
3 compartments, each.....	1.20	1.35
4 compartments, each.....	1.50	1.75

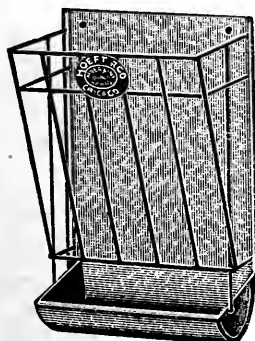
MOE'S NEVER CLOG DRY FOOD HOPPER

One of the best hoppers on the market. Does not clog, no matter how coarse the mash is.

No. 35, 12-qt. capacity, \$1.50; by parcel post, \$1.75.
No. 36, 18-qt. capacity, \$2.00; by parcel post, \$2.25.

ATSATT WALL FEED PAN

Galvanized iron, 24 inches long. Strong and well made. Each, 55c; parcel post, 70c.



Moe's Rabbit Hay and Feed Rack

MOE'S RABBIT HAY AND FEED RACK

For holding Roots or Hay, Alfalfa, Clover, etc. It prevents scattering hay and wasting. The round trough at the bottom catches the small tender leaves. Feed saved soon pays for Rack. Price, each, 70c; by parcel post, 95c.



Moe's Never Clog Dry Food Hopper



ACME CHICK SERVER

Made with protecting bar to avoid wasting the feed. The rounding bottom also enables the chicks to clean out the last particle. Each, 35c; by parcel post, 60c.



Apaco Poultry Hopper



Norwich Automatic Dry Mash Hopper.

THE APACO POULTRY HOPPER

Constructed to fill a long-felt want for a good feeder at a small price. The Apaco Feeder will save work and worry; insures proper feeding, increases egg production, decreases feed bills, scatters the feed thoroughly; it won't clog. 8-qt. size only, \$1.50; by parcel post, \$1.75.

NORWICH AUTOMATIC DRY MASH HOPPER

Feeds mash without clogging or wasting. An excellent article. 20-qt. size only, \$2.50; by parcel post, \$2.95.

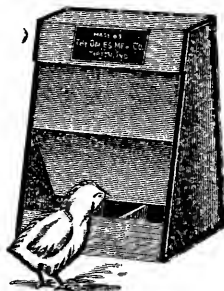
OAKE'S ROUND POULTRY AND PIGEON HOPPER

Avoids waste of feed. Will pay for itself in a few months. Well made and durable. 4-qt. size only, \$2.25; by parcel post, \$2.60.

HANDY DRY MASH HOPPER

This hopper does away with all trouble of feed clogging, no matter how coarse.

	Exp. P. P.	
No. 2. 18 inches long.....	\$2.00	\$2.30
No. 3. 24 inches long.....	2.50	2.80



NORWICH CHICK FEEDER

15-inch size, 50c; 20-inch, 70c; by parcel post, 70c and 90c.

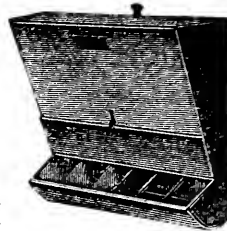


OAKE'S CHICK FEED TROUGHS

These troughs are very convenient for feeding flocks of growing chicks. The trough is made on a half circle so that every bit of feed can be easily eaten out of it.
10-inch trough, 40c; by parcel post, 60c; 20-inch trough, 60c; by parcel post, 85c.

THREE-COMPARTMENT FEED HOPPERS

Substantially made of galvanized iron, with three compartments. The large one holding about 4 quarts, and the smaller one about 2 quarts each. Both the hopper and trough have hinged lids, making it rat, mouse and dust proof when closed. Used either for dry mash, or for oyster shell, charcoal and grit, for old or young fowls. Rat and Mice Proof—No Waste. Price, each, \$1.75; by parcel post, \$2.00.



ATSATT'S CHICK FEEDER



"They cannot get into it." Therefore clean food. The top removes easily for cleaning. Springs back into place. Can be used for either wet or dry feed or for water. Can not rust. Does not take up much space. Size 10 in. long, 4 in. wide. Just the thing for your broode.. Price, 40c; parcel post, 50c.

ATSATT GALVANIZED POULTRY FEEDER

can be used for mash or any dry grain feed. The tapering guard keeps birds from roosting or setting on top of the feeder. The pan is 18 inches long, 6 inches wide and 3 inches deep, and holds 4 quarts. It is well made, strong and durable. Express, \$1.00 each; parcel post, \$1.25 each.

OAKE'S CHICK GRIT AND SHELL BOX

3 compartments. Each, 60c; by parcel post, 70c.

OAKE'S RECTANGULAR CHICK FEED HOPPERS

3 compartment size. Each, \$1.00; by parcel post, \$1.15.

MOE'S RABBIT FEED AND WATER DISH

Made of galvanized iron. Rolled in top prevents wasting. Dish held to the floor of Hutch by simple locking device easy to remove for cleaning. Impossible for stock to tip over. Price, each, 35c; by parcel post, 50c.

FIBREWARE PIGEON NEST

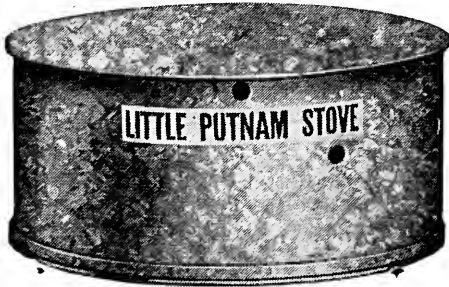
Made of strong fibre, being very durable and light; also are best for sanitary purposes. Price, each, 20c; 6, \$1.15; 12, \$2.25; by parcel post, 5c each extra.



Fibreware Pigeon Nest

THE LITTLE PUTNAM STOVE

Keep drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. This little stove makes it easy to supply your fowls with water at just the right temperature all through the winter. Set an ordinary fountain or water dish on this stove and it will keep the water from freezing. Absolutely safe, for if it becomes buried in the litter or is tipped over it will go out. Costs only 20c to 30c for oil to run an entire winter—others cost 75c to \$1.50 per season.



Also ideal for making an Oat Sprouter. One of these stoves and one or two rubber or shoe boxes will make a good Oat Sprouter. Full directions sent with stove.

The Little Putnam Stove is nine inches in diameter and four inches high; made of galvanized iron and equipped with a burner which embodies an entirely new principle in oil combustion. Combustion is complete and perfect, doubling the heat value of the oil. The oil tank holds three pints of oil and burns two to four weeks without refilling or any other attention. The wick never needs trimming. The stove with any kind of fair usage will last a lifetime. This stove is absolutely fire-proof and non-explosive. If it is tipped over it will go out. If it becomes buried in the litter it will go out. Price, \$2.25 each; by parcel post, \$2.50.

THE PUTNAM BROODER HEATER

Make your own brooder, using one of these dependable little heaters. We furnish full directions how to make a home-made brooder. Anyone handy with a hammer and saw can make one.

There is no heater on the market at any price that equals the Putnam Heater in ease, simplicity and economy of operation; none which uses so little oil per chick. The Heater consumes less than a gallon of oil a month.

The Putnam Brooder Heater differs from all other heaters in this essential point. The brooder stove acts like an open fire-place, carrying the foul air out and drawing fresh air in, thus providing perfect ventilation automatically.

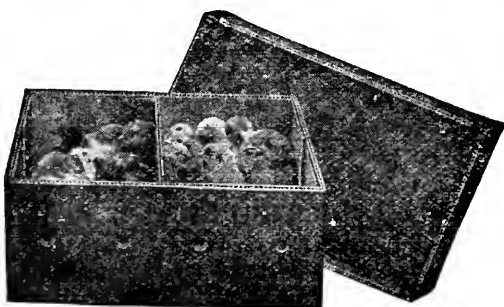
The construction of the brooder stove is such that the heat is radiated from above on to the backs of the chicks, giving the natural and soothing effect of the hen mother—without the lice. The oil tank becomes slightly warmed by conduction from the burner, thus keeping the floor of the brooder warm and dry, but not hot.

The construction of the hover is such that the chicks can find under it the exact temperature that each chick desires and, therefore, needs. By changing the position of the hover from the end to the middle of the brooder, the temperature can be adjusted for any season from February to July without changing the adjustment of the flame in the heater.

Price of Little Putnam Brooder Heater with complete instructions, \$4.75; by parcel post, \$5.10.

SULPHUR CANDLES

These are used for killing lice and mites in the poultry houses; absolutely certain death to all vermin. Each, 15c; by parcel post, 20c.



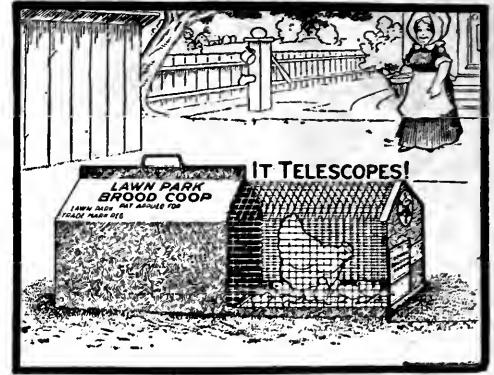
SEFTON LIVE CHICK SHIPPING BOX

It is made from corrugated paper as the Anderson Egg Box. For shipment it is folded flat, but can be easily set up and made ready for use.

25-chick size, each, 30c; parcel post, 45c.
50-chick size, each, 45c; parcel post, 60c.
100-chick size, each, 75c; parcel post, 90c.

THE "LAWN PARK" BROOD COOP

The wire park pulls out like a bureau drawer and is made from heavy galvanized wire netting. Body of coop is made from strong galvanized steel. Size of coop, with park extended, 18 inches wide, 19½ inches high, 48 inches long. Protects the chicks from hawks, rats, weasels, vermin, cold and storms. It is so ventilated that when park is pushed in the air circulates freely without admitting rain or snow. Allows sunshine, fresh air, and change of grass. The Park affords plenty of room to feed without crowding. Can be moved from place to place easily. The coop has removable galvanized bottom. Easy to clean. Each, \$4.50, set up ready to use. Three for \$13.00, knocked down; not mailable.



Automatic Chick Greaser

Kills mites, head lice and other insects on baby chicks while they are eating; their head rubs against the wick and they grease themselves while satisfying their hunger. A very simple little machine. Price, each complete, \$1.25. By parcel post, \$1.45.



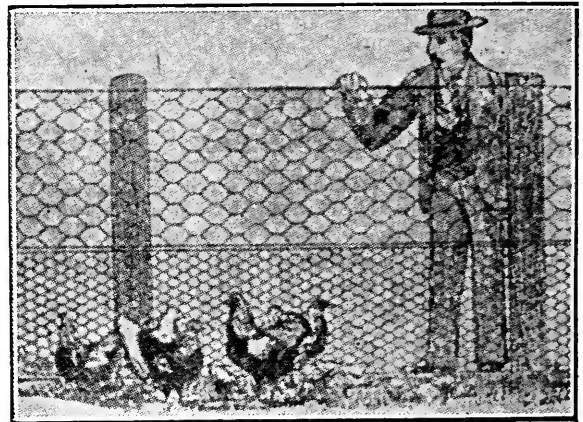
Automatic Chick Greaser

EYRIE SHIPPING COOPS

Light in weight, but strong and durable. Ends and sides heavy corrugated cardboard. Top and bottom wood.

		By Exp.	Parc. Post.
No. B.	3-bird size, each	\$.85	\$1.00
No. C.	4-bird size, each	.95	1.10
No. D.	5-bird size, each	1.25	1.45
No. E.	6-bird size, each	1.35	1.60

POULTRY NETTING



The best grades of No. 19 and No. 20 Galvanized Wire, priced per roll of 150 feet, all f. o. b. Memphis. We do not break or cut rolls.

2-inch mesh, 12 inches high, per roll of 150 feet	\$2.00
2-inch mesh, 18 inches high, per roll of 150 feet	2.25
2-inch mesh, 24 inches high, per roll of 150 feet	2.75
2-inch mesh, 30 inches high, per roll of 150 feet	3.50
2-inch mesh, 36 inches high, per roll of 150 feet	4.00
2-inch mesh, 48 inches high, per roll of 150 feet	4.80
2-inch mesh, 60 inches high, per roll of 150 feet	6.00
2-inch mesh, 72 inches high, per roll of 150 feet	7.00
1-inch mesh, 12 inches high, per roll of 150 feet	3.75
1-inch mesh, 18 inches high, per roll of 150 feet	5.25
1-inch mesh, 24 inches high, per roll of 150 feet	6.50
1-inch mesh, 30 inches high, per roll of 150 feet	7.75
1-inch mesh, 36 inches high, per roll of 150 feet	9.00
1-inch mesh, 48 inches high, per roll of 150 feet	11.00

NEST EGGS

These are very effective, especially the medicated ones, which not only act as a nest egg, but will kill mites and lice at the same time. Prices as follows:

Medicated Nest Eggs, doz., 75c; parcel post, 95c.

Lime Nest Eggs, doz., 40c; parcel post, 55c.

China Nest Eggs, doz., 35c; parcel post, 50c.

INCUBATOR AND BROODER LAMPS

No. 1 Lamp Bowls, each, 75c; parcel post, 90c.

No. 2 Lamp Bowls, each, 90c; parcel post, \$1.00.

No. 3 Lamp Bowls, each, \$1.00; parcel post, \$1.10.

Lamp Burners, three sizes, 50c, 60c and 75c each.

Lamp Wicks (Cotton), all sizes, 2 for 10c; 12 for 40c, parcel post paid.

Red Felt Lamp Wicks, Nos. 1, 2 and 3, each 10c; 3 for 25c, parcel post paid.

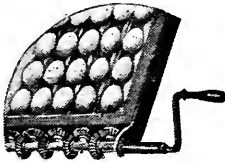
We have lamps for the Buckeye, Prairie State and Old Trusty Incubators. In ordering, give diameter and height of lamp bowl and size of burner.

Incubators and Brooders

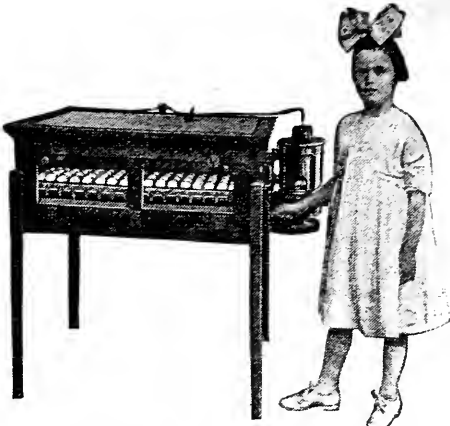
We are agents for the following well known machines, which we consider the best on the market, without an exception. Send for special catalogues. Owing to limited space, we are unable to describe them fully, but will send full catalogues and circulars on request. Prices quoted are all f. o. b. Memphis.

ROLLER TRAY INCUBATORS

Eggs are turned without opening the Incubator. They have a scientific hot water heating system, with copper tanks throughout. Superior in construction, always good ventilation and underwriters lamp. A turn of the crank turns every egg. It is so simple a child can operate it without damage or accident. Let us send you a complete catalog of this splendid new style Incubator. We handle only Incubators equipped with underwriters lamp. Price: 100-egg, \$30.00; 150-egg, \$36.00; 200-egg, \$42.00. All f. o. b. Memphis.

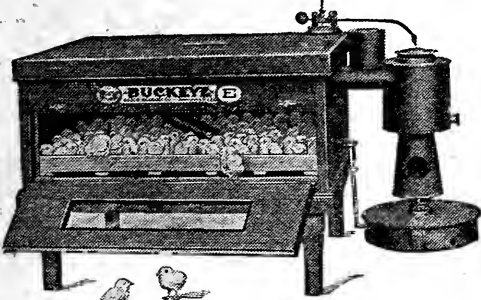


How the eggs are turned in the New Roller Tray Incubators



Roller Tray, Hot Water Incubator

BUCKEYE INCUBATORS

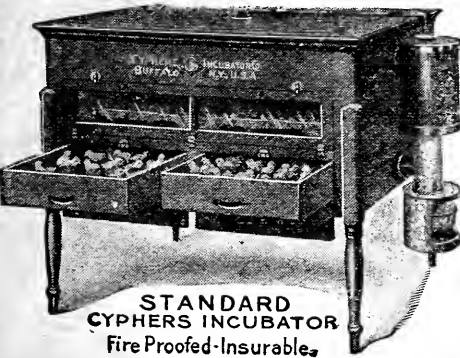


Buckeye No. 14, 60-Egg Incubator.

These are hot-water machines, well made and easy to operate. Owing to the satisfactory operation and the moderate price at which they are sold, there are probably more Buckeye Incubators in use today than any other make. These machines are sold under an absolute guarantee and with good treatment will last for years. They are so simple that a beginner can operate them without any previous experience. These incubators are equipped with every desirable device that can possibly add to incubator efficiency and are pronounced by experts to be the best hatchers.

Full descriptive and illustrated catalogue mailed free on request. If interested in poultry, incubators, brooders or hovers, be sure and ask for one. Buckeye No. 14. 60-egg incubator.....\$15.00 Buckeye No. 16. 110-egg incubator..... 23.50 Buckeye No. 17. 200-egg incubator..... 32.50 Buckeye No. 1. Standard, 110-egg..... 34.00 Buckeye No. 2. Standard, 175-egg..... 39.50 Buckeye No. 3. Standard, 250-egg..... 49.50 F. O. B. Memphis.

STANDARD CYPHERS INCUBATORS



STANDARD CYPHERS INCUBATOR Fire Proofed-Insurable

These are machines that for fifteen years and more have been the recognized "standard hatchers of the world." They are today the last word in incubator building—not a penny being spared in making sure of their doing satisfactory work in all climates, under widely different conditions in the hands of all sorts of people. Prices: We have in stock one size only, 140-egg size, price, \$40.00. Cyphers Colony outdoor Brooder Style B, each, \$38.00.

CYCLE BROODER HATCHERS

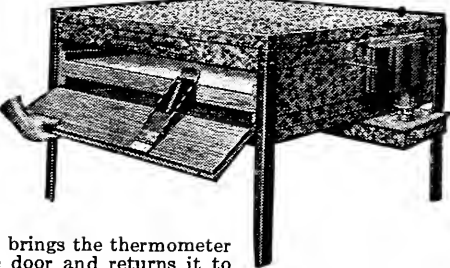
The Brooder Hatchers are a practical incubator and brooder combined, one lamp serving both purposes. These little machines have a large lamp bowl; need filling only twice during 3 weeks of operation. Each, \$11.00; by parcel post within 3rd zone, \$11.50.



Cycle Brooder Hatchers

FAMOUS OLD TRUSTY INCUBATOR

The most widely advertised incubator in America. These hot water machines have been on the market for nearly 30 years and have given utmost satisfaction. They are easy to ventilate and with their new improvements are equal to any hatcher on the market. The improvements are up to date, the automatic advancing thermometer holder brings the thermometer out to you when opening the door and returns it to the proper place when closing the door, therefore no more danger of breaking thermometers. The next big improvement on Old Trusty Incubators is the large oil reservoir, which can be easily filled without removing the tank from the machine. 100-egg Old Trusty Incubator, each.....\$18.50 150-egg Old Trusty Incubator, each..... 21.55 F. O. B. Memphis.



The 60-70-egg Baby Old Trusty Incubator

BABY OLD TRUSTY INCUBATOR 60-70 Egg.

Made of the quality galvanized iron with copper tank and has the Special Thermometer holder; in other words, it is like the larger size Old Trusty Incubators, with exception of the bowl. The Baby Old Trusty is a real hatcher. The manufacturers have kept up the quality in this small machine and put it under the same guarantee as they do on all their incubators. Price of Baby Old Trusty Incubator, \$14.50 each.

QUEEN INCUBATORS

Queen Incubators are made of California Redwood, double case, each lined with asbestos felt; dead air space all around; extra heavy copper heaters and tanks with lock steam joints, making them indestructible; the improved heaters use all the heat generated—no loss of oil. Large up-to-date sanitary nursery tray safety lamp with seamless galvanized bowl that cannot leak. Faultless ventilation that requires no attention; regulators that control the temperature, making "Queen" Incubators automatic and easiest to operate. Prices on Queen Incubators: Style K, 70-egg Queen Incubator, each.....\$16.50 Style K, 130-egg Queen Incubator, each..... 27.50 Style No. 1, 85-egg Queen Incubator, each..... 25.00 Style No. 2, 130-egg Queen Incubator, each..... 34.00 Complete catalog on application.

CYCLE HATCHER METAL MOTHER INCUBATORS

These are simple, safe and practical machines for hatching chicks on natural principles. All metal, and will not warp. They have perfect ventilation and are both easy to heat and regulate. Each, \$8.50; by parcel post within 3rd zone, \$9.00.



Cycle Hatcher Incubator

CYPHER ELECTRIC HOVER

Simple, easy and certain to operate, always gives a uniform heat. Your chicks will thrive in one of the Cyphers Electric Hovers. Price, 100-chick size hover, \$16.00.

SPECIAL INCUBATOR OIL

Won't smoke; highest quality; 5 gallon can.....\$2.00

REED SELF-REGULATING ELECTRIC INCUBATORS

The perfect way, operates on city current or farm plants. No oil lamps to fill, no external heat, no smell, fireproof, foolproof, constant automatic temperature regulation. Freedom from worry or anxiety concerning temperature, low cost of operation, no damage from overheating or chilling. If the power goes off, the temperature in the Reed Electric Incubator will be retained for twelve hours, since the walls are lined with cork fibre board. The high efficiency of two inch Lith which is used as a heat insulator, makes the cost of electricity so small, that it becomes less than the cost of oil. Being automatic, when the temperature goes a fraction above 103 degrees, which is the proper heat to run the machine, the automatic device in the machine cuts off the power. When it cools or gets lower, it automatically raises the temperature.

Ask for a catalog, describing the Reed Self-regulating Electric Incubator. When ordering, state voltage on your supply current, as the machine will operate just as well on alternating or direct current. Ask your power plant to give you the proper voltage.

70-egg Reed Electric.....	\$30.00
120-egg Reed Electric.....	37.50
250-egg Reed Electric.....	53.00

All F. O. B. Memphis.

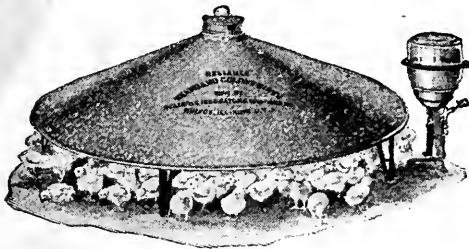
REED ELECTRIC PORTABLE HOVERS

Self-regulating, no trouble, no odor, equipped with automatic cutoff to keep machine from getting too warm, very convenient. You will raise every chick in one of the Reed Electric Portable Hovers.

24-inch Hover.....	\$18.75
30-inch Hover.....	23.45

All F. O. B. Memphis.

RELIABLE BLUE-FLAME, WICKLESS, OIL HEATED COLONY HOVER



No. 0-1 & 2.

Reliable Blue-flame Oil Heater Hover.

With hard coal difficult to obtain, we have here a modern hover, having the same capacity as the coal burning hover. Note a few of the special good points: burns coal oil, steady blue flame, easy to operate, no wick to turn, plenty of heat, no oil fumes, visible oil feed, convenient and safe, no smoke or gas, flow of oil being regulated automatically.

Write for circulars about the wonderful hover.

No. 0—30-inch hover, complete.....	\$16.50
No. 1—42-inch hover, complete.....	18.50
No. 2—52-inch hover, complete.....	22.00
No. 00—18-inch hover, complete.....	7.50

BUCKEYE PORTABLE HOVERS.

These are very convenient and satisfactory, giving uniform heat, yet having perfect ventilation. Considered to be the best oil burning brooders ever put on the market. Capacity, 75 to 150 chicks. Prices as follows:

Buckeye No. 20. Portable hover.....	\$10.50
Buckeye No. 21. Portable hover.....	13.00
Buckeye No. 22. Portable hover.....	17.00

F. O. B. Memphis.

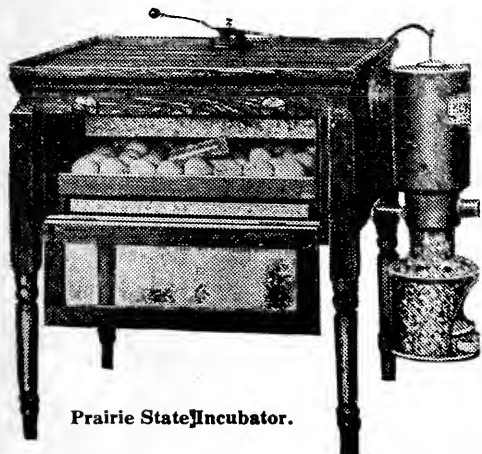
BUCKEYE STANDARD COLONY BROODER STOVE

This broods from 100 to 500 chicks; is the most remarkable coal burning brooder ever invented; self-regulating, simple and durable; at the same time much safer than oil burning outfits. As easy to operate as a kitchen range. Without stove pipe.

No. 18. 500-chick size, each, \$19.75, F. O. B. Memphis.

RADIO BROODERS

One filling of the lamp bowl lasts 14 to 16 days. A complete serviceable indoor outfit. Price, each, \$12.50.



Prairie State Incubator.

PRAIRIE STATE INCUBATORS

Every Prairie State Incubator carries with it a five-year guarantee. What more can you ask?

Complete catalog of Prairie State machines, giving full detail of the following sizes, mailed upon request:

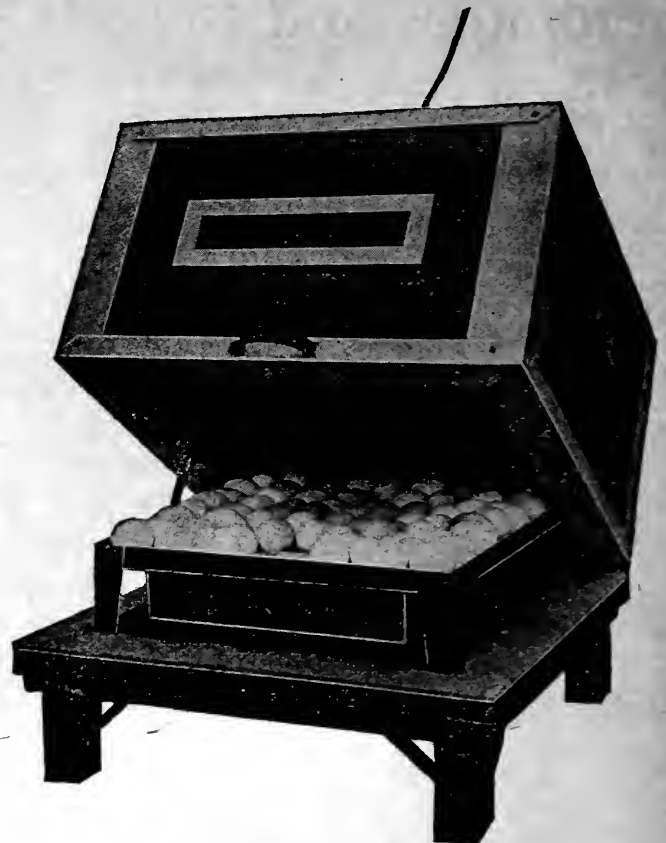
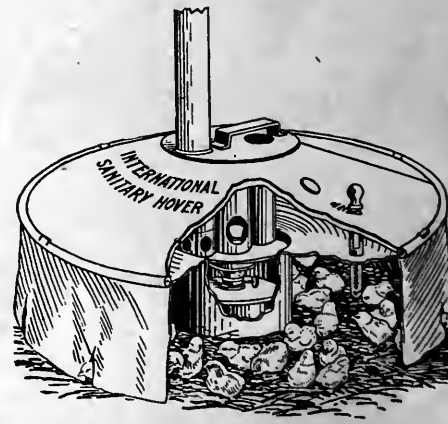
Prairie State No. 0—100-egg size.....	\$29.00
Prairie State No. 1—150-egg size.....	38.00
Prairie State No. 2—240-egg size.....	54.00

F. O. B. Memphis.

Prairie State Universal Hover with lamp case and regulator, \$12.50. F. O. B. Memphis.

THE INTERNATIONAL SANITARY HOVER

Circular in shape; is made of metal throughout, and fireproof. The hover sets on floor just as a mother hen does. The lamp can be lifted out through the top and the operator does not need to kneel in the dust. There is no possibility of gases and fumes from the lamp getting into the air breathed by the chicks. The thermometer can be lifted out, looked at and dropped back without moving the hover (see illustration). Can also be used as an oat sprouter. It will do the work quickly and satisfactorily. Ask for circulars. Price, all complete, each, \$12.00.



Reed Self-Regulating Electric Incubators.

THE PORTER SOTHEAT TUBELESS INCUBATOR

Self-regulating as it is equipped with lamp flame control. One filling of the oil tank runs a hatcher, saves trouble and worry. Has a new style water heater and therefore softens the air in the egg chamber. The Porter Softheat Incubator is strong and substantial, no open or exposed joints, egg tray built round, making it easy to turn eggs. Be sure to write us for a catalog of this wonderful incubator. It tells you why it is one of the best machines on the market.

90-100-egg size, each.....	\$24.40
145-150-egg size, each.....	28.50
175-200-egg size, each.....	33.50

If shipped from the factory we pay express charges.

"QUEEN" BROODERS

Last long and raise healthy chicks. Use little oil; no trouble to maintain heat in zero weather; perfectly ventilated; three different temperatures; chickens find their own comfort.

No. 7. Queen Indoor 100-chick Brooder..	\$15.00
No. 8. Queen Indoor 150-chick Brooder..	18.50
No. 10. Queen Outdoor 100-chick Brooder	24.00
No. 11. Queen Outdoor 150-chick Brooder	27.50



Porter Soft Heat Incubator.

**WRITE NAME AND ADDRESSES PLAINLY
AND IN FULL—IN THE SPACE BELOW**

MEMPHIS, TENN.
24 S. Front St.

AMOUNT ENCLOSED

M. O.

Date.....

(Name).....

Cash

Stamps

Post Office....., State.....
(Write plainly)

SPECIAL RATES ON PACKET GARDEN AND FLOWER SEEDS

County.....

Select any	6	5c size for	25c
Select any	13	5c size for	50c
Select any	30	5c size for	\$1.00
Select any	3	10c size for	25c
Select any	7	10c size for	50c
Select any	15	10c size for	\$1.00

Shipping Depot or Express Office if
different from Post Office.....

We pay Parcel Post at above rates, but allow no further discounts.

SPECIAL NOTICE—If out of the variety ordered, do we have your permission to substitute equal or better in the nearest we can supply? (.....) **Answer**

[illegible]

U. S. Food Administration License No. G. 06097

Buckeye, Cyphers, Prairie State, Old Trusty and Queen INCUBATORS AND BROODERS

[illegible]

HAVE YOU FRIENDS OR NEIGHBORS INTERESTED IN BETTER FIELD, VEGETABLE AND FLOWER SEEDS?

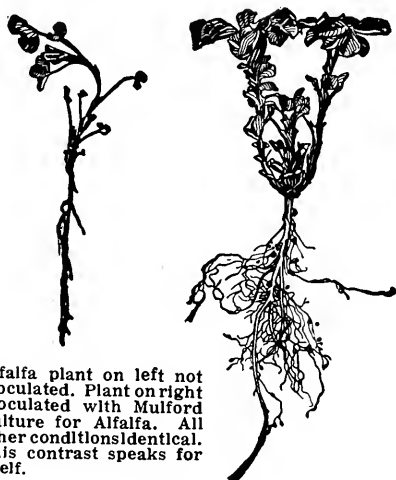
If so, please write their names below. We will send them Catalog on your request. We would like to have names from all parts of your county.

[illegible]

DO NOT WRITE IN THIS SPACE.

Filled by.....**Checked by**.....**Shipped by**.....**Date**.....

Increase Your Crops—Improve Your Soil



Alfalfa plant on left not inoculated. Plant on right inoculated with Mulford Culture for Alfalfa. All other conditions identical. This contrast speaks for itself.

Inoculate Your Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches and All Other Legume Crops with

Mulford Cultures

FOR LEGUMES

Small Cost Large Returns Easy to Use No Labor Expense

Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

Legumes offer the best-known means of maintaining soil fertility and rejuvenating overcropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops.

The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitrogen-fixing bacteria to induce a prompt "catch" and increase your yield.

Why buy expensive commercial nitrates when you can grow legume crops and thus increase your yield and at the same time increase the nitrates and enrich and renovate your soil, by Nature's own method?

Be sure to specify for which of the following crops you desire to use the **MULFORD CULTURES**, otherwise we will not know how to fill your order.

Free descriptive folder sent upon request.

ALFALFA (Lucerne)
CRIMSON CLOVER
SWEET CLOVER
PEANUTS
SWEET PEAS

WHITE CLOVER
RED CLOVER
ALSIKE CLOVER
GARDEN PEAS
GARDEN BEANS

MAMMOTH CLOVER
BURR CLOVER
CANADA FIELD PEAS
VETCH

PRICES: Mulford Cultures are supplied for the varieties of legumes listed at the following prices: **Garden size** ($\frac{1}{4}$ -acre), 50 cts. **1-acre size**, \$1.50. **5-acre size**, \$5.00 ("a dollar per acre"). **Trial packages** (for Garden Peas, Beans, Lima Beans and Sweet Peas only), 25 cts. **By Parcel Post garden size** 55 cts. **One-acre size** \$1.55. **5-acre size** \$5.20.



Notice how much bigger inoculated Soy Beans may grow than uninoculated. Drawing made from actual Photograph.



EARLY'S QUICK FAT HOG FEED

There is no question about it—it's the best.

HERE'S THE PROOF

Mr. J. H. Shelton, Holly Springs, Miss.: "I have used Early's Quick Fat Hog Feed for two years and consider it the best feed for the sow, before and after farrowing. It is a milk producer and pigs thrive on it. As for a hog fatterer, I think there will nothing equal it."

Charleston, Miss., March 20, 1919.

Gentlemen—It may be interesting and gratifying to know that I shipped 32 hogs, fattened entirely on Early's Quick Fat Hog Feed, in a co-operated car of corn-fed hogs from Scobey.

My hogs brought on the East St. Louis market $1\frac{1}{2}$ c to $2\frac{1}{2}$ c per pound more than the corn-fed hogs shipped in the same car.

Yours truly,

JOHN J. DUKE.

One of our friends writes us:

"There was shipped from Oxford, Miss., February 11, 1919, five carloads of hogs. This lot of hogs was shipped to a Northern market, and the price was agreed upon before shipment was made, provided the hogs came up to the standard fat as represented. They were to be killed before settlement was made. This was done, and the buyer paid the price agreed upon and a premium for the grade of hogs they received. They said they were the best lot of hogs that had come to that market. These hogs were fed on Early's Quick Fat Hog Feed."

June 11, 1919.

Gentlemen—I have been thinking for some time of writing you in regard to "Quick Fat," but as other matters (i. e., grassy crops) have been more pressing, I haven't had the time. I will say this for Early's Quick Fat, it is more than the name implies and everything you claim for it and more, for possibly you have never been in a position to observe its feeding for any great length of time.

I have been feeding it for three months, especially to brood sows and little pigs, and I think it is the best and cheapest feed on the market today. At present prices it is cheaper than feeding corn.

Quite a number of people are raising hogs for market in this community. You need not hesitate to refer any prospective customers to me for reference, for if he will come out to my farm, I can PRODUCE THE GOODS.

Now understand, I am not doing this so much to sell Quick Fat Hog Feed as I am to see my neighbors using something really good.

Yours truly,

B. F. THOMPSON & SON.

If you feed PIGS or HOGS you should try this wonderful balanced HOG RATION, cheaper and better than shorts.—Price are given on Green Ink Price Sheet enclosed.

Send all Orders to

RUSSELL-HECKLE SEED COMPANY

24 S. FRONT ST.

MEMPHIS, TENN.

Wholesale Warehouse
417 S. Main St.

United States Food Administration
License No. G-06097



BLOCK OF 2 YEAR APPLE

Farm Seeds
Fruit Trees
Strawberry Plants
Insecticides
Sprayers



WINESAP APPLES



DAKOTA NO. 12 ALFALFA